Version 17

Alternative Heating Supplies

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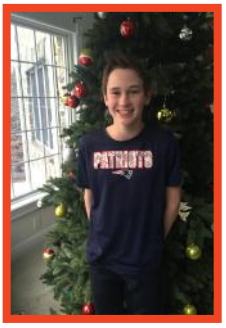

About Us:
We are a hard working, family team. Our business motto is *"We are only as good as our customers."* This business exists because of you!! We live in Connecticut with our three children and have been in the wood furnace business for over 10 years. After selling and installing hundreds of wood stoves ourselves, we are able to help you with everything from sizing the stove, parts for installation and supplies for proper maintenance.

Our Prices:
We work hard to get the very best price for everyone. Because we buy in large quantities we are able to keep our prices down. If you represent or know of someone who represents our products, we would love to talk. There is always room for improvement and we don't forget the people that help us.

Placing an Order:
You can shop online through our website at www.AltHeatSupply.com, send us an e-mail, fax or call to order. We accept Visa, MasterCard, American Express and Discover.

Shipping Policies:
Free shipping on *most* orders over $250 within the Continental United States. This does not apply to orders to Canada & Alaska, certain items that must be sent via Freight and a few oversized items. We ship via UPS Ground. Shipping prices will vary, oversized and overweight charges may apply on some items. We do not ship to Hawaii.

Policies:
Any order discrepancies must be reported within 24 hours of receiving products. Returns are accepted within 14 days of receiving the items. No returns on special order items.

All prices are subject to change without notice.

Return Policy:
All returns paid with a credit card are subject to a 7% return fee. Any items not returned in their original condition and/or box/packaging will be subject to a 25% restocking fee. If the item is not resalable, customers can choose to abandon the item or pay to have it returned to them. Returned or bounced checks will be charged an additional $25.00.

Warranty Items:
All warranty items must be returned within 7 days of contacting us. If we do not receive the item in a timely manner, we may not be able to warranty the item. If returned after 7 days, a 15% fee will be deducted from the reimbursement. This is done automatically, no exceptions. If you need the item ASAP, even before you return the defective item, you will be required to purchase the item, and then return the defective item within 7 days. At that time a full refund will be given. Customers are responsible for all costs of shipping the warranty items. No exceptions!

Our Location:
Alternative Heating & Supplies LLC, 160 Christian Street, Oxford, CT 06478 (203) 881-1602

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Wood Furnace Blowers

	FN446 Dayton 4C446 (6FHX8) - Shaded pole blower, air flow @ 0.000 inch static pressure 148 CFM, speed 3160 , Voltage rating 115 VAC, current rating 1.37 Amps, frequency 60/50 HZ, thermal protection auto, wheel diameter 3 13/16 In, wheel width 2 1/2 In, inlet diameter 3 1/8 In, air flow @ 0.100 In static pressure 141 CFM. This is probably the most used blower in the outdoor wood furnace industry. Brands that use: Legend, Woodmaster, Ozark, Heat Source, Heatmor, Hawken Energy, Freedom Outdoor—Eliminator 48", HeatMaster & Pacific Western.
	FN004 Fasco No. 70213484 - Shaded pole blower, air flow @ 0.000 inch static pressure 76 CFM, speed 2880 , Voltage rating 115 VAC, current rating 0.53 Amp, frequency 60/50 HZ, thermal protection auto, wheel diameter 3 inches, wheel width 1 7/8 In, Inlet diameter 2 5/8 In, air flow @ 0.100 inch static pressure 70 CFM. Brands that use: WoodMaster & Heatmor. Replacement for the Dayton #4C004. Smallest fan we sell!
	FN1TDP3 Dayton 1TDP3 - PSC blower, forward curve, direct drive, wheel dia 3 15/16 In, CFM 71. 0.000-In SP 75, 115 VAC, 60 HZ, single phase, full load Amps 0.45, RPM 3016, Max inlet temp 104° F, overall height 5 3/4 In, overall width 6 1/4 In, overall depth 6 7/16 In, includes discharge mounting flange. Brands that use: John Jr. Johnson, Taylor, Mahoning and Shaver. Direct replacement for the Dayton #4C443.
	FN1TDN7 Dayton 1TDN7 - PSC blower, forward curve, direct drive, wheel dia 3 in, CFM 50, 0.000-in SP 50, Voltage 115, 60 HZ, single phase, full load Amps 0.23, RPM 3036, Max inlet Temp 104° F, overall height 5 13/16 In, overall width 5 1/8 In, overall depth 6 7/16 In, includes discharge mounting flange and inlet cover. Brands that use: John Jr. Johnson and Shaver.
	FNA166 Fasco A166 702111307 - Direct drive, CFM 145, Amps 1.5—1.37, 115v. 50 /60HZ. RPM 3160 single speed, sleeve bearing, thermally protected, shaded pole, wheel 3-3/4 x 2-1/2 In, includes discharge mounting flange. Brands that use: Central Boiler E-Classic 2400, 2300 models 702110411
	FN700787 Fasco No. 70731455 or 70631543- 115 VAC, 1.0 Amps, 60 HZ. CFM 160, 1500 RPM, includes discharge mounting flange. Empyre 250 & 450 and Cozeburn 250 & 450 ***FN800789 Fasco No. 702112231*** - 115 VAC, 1.5 Amps, 60 HZ. CFM 122, 3000 RPM, includes discharge mounting flange. Aspen 175 or Pro Series 200/400, Empyre ET, XT 200 & 650, Cozeburn 650, Elite-Indoor 100/200. ***FN900789 Fasco No. 70625938*** - 115 VAC, 1.8 Amps, 50/60 HZ. CFM 270, 3200 RPM, includes discharge mounting flange. Aspen or Pro Series 400. Biggest fan we sell! *** ***WE CARRY THE ASPEN FAN COVERS (FC814428) - $39.99*** ***
	FN1TDP7 Dayton 1TDP7 - PSC blower, forward curve, direct drive, wheel dia 3 15/16 In, CFM @ 0.000-In SP 146, 115 VAC, 60 HZ, single phase, full load Amps 0.75, RPM 3100, Max inlet temp 104° F, overall height 5 3/4 In, overall width 6 5/16 In, overall depth 5 3/8 In, includes discharge mounting flange. Brands that use: Legend, Woodmaster 4400 & 5500, Ozark, Heat Source, Heatmor 200 css & 400 css, Hawken Energy, HeatMaster & Pacific Western. Direct replacement for the Dayton #4C446.
	FN1TDR3 Dayton 1TDR3 - PSC blower, forward curve, direct drive, wheel dia 5 1/8 in, CFM @ 0.000-In SP 273, 115 VAC, 60 HZ, single phase, full load Amps 0.77, RPM 1640, Max inlet temp 104° F, overall height 9 7/8 In, overall width 7 11/16 In, overall depth 8 7/8 In, includes discharge mounting flange. Brands that use: Taylor, HeatSource & Freedom. Direct replacement for the Dayton #4C447.
	FN1TDP1 Dayton 1TDP1 - PSC blower, forward curve, direct drive, wheel dia 3 In., CFM @ 0.000-In SP 89, 115 VAC, 60 HZ, single phase, full load amps 0.31, RPM 3010, Max inlet temp 104° F, overall height 5 3/4 In, overall width 5 3/8 In, overall depth 5 3/8 In, includes discharge mounting flange. Brands that use: WoodMaster 5500 (rear fan) & Heatmor 100 css and Coyote. Direct replacement for the Dayton #4C004.
	FN1TDP5 Dayton 1TDP5 - PSC blower, forward curve, direct drive, wheel dia 3 3/4 In., CFM @ 0.000-In SP 131, 115 VAC, 60 HZ, single phase, full load amps 0.65, RPM 2860, Max inlet temp 104° F, overall height 6 11/16 In, overall width 5 5/8 In, overall depth 6 9/16 In, includes discharge mounting flange. Brands that use: Aquatherm Eco-1

	$89.99
	$89.99
	$69.99
	$62.99
	$89.99
	$127.99 $157.99 $187.99
	$84.99
	$99.99
	$64.99
	$74.99

Wood Boiler Treatments

Made in the USA!

Item	Part #	Description	Price
	ProTech 300	***ProTech 300 Boiler Treatment*** - Has been designed to be used in boiler treatment programs at a lower cost. These programs insist the boiler owner meet certain nitrite levels in order to comply with *warranty requirements* in regards to boiler corrosion protection. Adding 1 gallon of ProTech 300 to 300 gallons of boiler fill water will yield +/- 1000 ppm nitrite. *Suggested nitrite levels are: 750ppm = Adequate, 1000 ppm = Good, 1500 ppm = Great.* Dose system accordingly on required control levels set by your boiler manufacturer and your system's nitrite needs based on test results. Do it yourself test kits are available, see the ProTech 300 Test Kit below. The manufacturers can't tell the difference if you're using their expensive brand or our ProTech 300, so send it into their labs to be tested without worry.	$34.95 ea. *4 or more $29.99 ea.*
	ProTechTK	***ProTech 300 Test Kit*** - Test Nitrite levels easily and accurately just like the lab! This test kit is designed to provide an easy and accurate means to determine the level or amount of nitrite in your system. Testing nitrite on your own, ensures you are meeting manufacturer requirements. Proper chemical level within your system is essential to product performance and system protection. Test your water before you send it to the manufacturer's lab to ensure you get the full warranty on your unit. The labs can't tell if you're using our product or theirs. Approximately 25 tests.	$17.95
	A200	***A200 Boiler Treatment*** - Has been specifically designed for outdoor & indoor wood boilers with mild or stainless steel construction. This product may also be used as a full spectrum water conditioning agent for other hydronic and solar heating applications. A200 is environmentally friendly. One quart treats 200 gallons. Works just as well as Protech 300 with less nitrite levels and better for the environment. *5 year Shelf Life so stock up and save in shipping*.	$18.95 ea. *Case of 12 $14.95 ea.*
	TK500	***A200 Test Kit*** - Has been designed to provide an easy and accurate means to determine the level or amount of A200 boiler treatment in your system. You will be able to answer the question: Is my boiler treatment working? Most of us spent a lot of money for our units, don't waste it by not taking care of something so simple. These products are better quality & price than what the manufacturers are trying to sell you! Approximately 25 tests.	$17.95
	CF205	***CF205 System Cleaner*** - Has been specifically designed for safely cleaning outdoor & indoor wood boilers with mild steel and/or stainless steel construction. CF205 will safely remove deposits within the system that compromise boiler efficiency and promote corrosion. CF205 will also effectively re-establish a corrosion barrier at the metal surface as it works its cleaning action. CF205 may be used in other hydronic and solar applications as well. CF205 is environmentally friendly. One quart treats 200 gallons. It can be used with white vinegar to help with heavy corrosion. Units that evaporate 50 gallons: add 1 gallon of white vinegar with CF205. You can use up to 3 gallons of white vinegar with 1 CF205 *(Nice Trick to Save Money!)* Run CF205 in your unit for 4 to 8 hours and drain, refill and add boiler treatment. We recommend ProTech 300 or A200.	$18.95 ea. *Case of 12 $14.95 ea.*
	BT112 **BT012**	***CorQuest 1200 Corrosion & Scale Inhibitor*** - Prevents metal corrosion, scale and rust build-up on the heat exchanger surfaces to prolong equipment life and improve efficiency. One gallon treats 300 gallons. Comes in two sizes: BT112 = 1/2 gallon & BT012 = 1 gallon.	1/2 Gallon $23.00 1 Gallon $39.78
New Items	**PHPAPER**	***Alternative pH Paper -*** The ultimate in wide range, general purpose pH papers has a distinct color match at each full pH unit: [1.0] [2.0] [3.0] [4.0] [5.0] [6.0] [7.0] [8.0] [9.0] [10.0] [11.0] [12.0].They provide: A direct reading pH paper with the widest range available in a single paper. A simple, single color match for all pH values. Distinct and easily matched color separations. Accurate, reproducible readings with an immediate response. Ideal range for an outdoor wood boiler is 9.0 to 10.5 as ideal and 8.0 to 11.5 would be acceptable. You will still need to add Boiler Treatment and it only tests pH of the water. About 50 paper tests.	$9.99
	PHSTRIP	***Alternative pH Strips - 50 Pack*** Conveniently packed in Ziploc bags, these premium quality, wide-range plastic strips offer clear, bright single color matches at every 0.5 interval from pH 6.5-13.0. The color chart has pH matches at [6.5][7.0] [7.5][8.0][8.5][9.0][9.5][10.0][10.5][11.0][11.5][12.0][12.5][13.0]	$14.95

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Wood Boiler Treatments

Item	Description	Price
	***Yearly Maintenance* Kit** *300 Gallon Unit - One Gallon ProTech300, a ProTech Test Kit and a pH Test Kit* *600 Gallon Unit - Two Gallons ProTech300, a ProTech Test Kit and a pH Test Kit*	300 Gallon Unit YMKit300 $61.99 600 Gallon Unit YMKit600 $96.99
	NEW KITS ***Wood Master Maintenance* Kit** Everything you need for yearly maintenance of your Wood Master. Included in each kit: *Model 3300— Fire Rope for 3300, One FC546 and One 1/2 Gallon CorQuest* *Model 4400— Fire Rope for 4400, One FC546 and One 1/2 Gallon CorQuest* *Model 5500— Fire Rope for 5500, Two FC546 and One Gallon CorQuest* *Model 6500— Fire Rope for 6500, Three FC546 and Two Gallon CorQuest*	MKit3300 $46.99 MKit4400 $47.99 MKit5500 $79.99 MKit6500 $145.99
	Alternative Heating Boiler Treatment, Cleaner & Test Kit Specifically designed for outdoor and indoor wood boilers with mild steel and/or stainless steel construction. One kit treats 200 gallons. Kit includes 1-A200, 1-CF205 & 1-TK500.	A200kit $49.95
 New Items 	***Anti-Creo-Soot -*** a non-toxic and environmentally safe liquid manganese catalyst that attacks and destroys dangerous creosote and soot. When sprayed into the firebox during low fire conditions, Anti-Creo-Soot helps convert creo-sote and soot to a harmless ash or char that can be easily removed. ***USES*** Anti-Creo-Soot is an effective maintenance product used to help control dan-gerous creosote and soot deposits in all wood and coal burning appliances. Anti -Creo-Soot also reduces ash and clogging in pellet stoves. ***BENEFITS*** • Attacks dangerous creosote & soot • Helps prevent chimney fires • Chimneys clean easier and more completely • Reduces odors and pollution • Reduces corrosion in metal, Stainless Steel and Masonry. • Safe for use with catalytic combustors • Non-toxic & easy to use ***Keep your unit clean and make it last longer by cleaning twice a year!***	1 Gallon Jug ACS1Gal $39.99 *4 or more* *$29.99 ea.* 32 oz Spray Bottle ACS32 $14.95 *12 or more* *$12.29 ea.*
	ACS Home & Hearth Cleaner - is an industrial strength cleaner. It is a high alkalinity citrus detergent, containing biodegradable surfactants which effectively cut through smoke and creosote. ACS Home & Hearth Cleaner safely removes smoke and creosote stains from outdoor wood boilers, fireplace glass, hearths, stoves, brick, stone, and more. It is great for cleaning barbecue grills as well as clothing and equipment that may have smoke and soot on them. ACS Home & Hearth Cleaner also cleans walls, woodwork, kitchen surfaces and flooring. ACS Home & Hearth Cleaner leaves no streaks or film on surfaces. The product provides a quick easy way to clean anytime, anywhere, while leaving a long-lasting scent of fresh oranges.	32 oz Spray Bottle ACSCleaner $9.99 ea. *12 or more* *$7.59 ea.*

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THREE WAYS TO ORDER

Wood Boiler Parts

	SD001	***Snap Disc*** - Snap Disc Control, Limit, Automatic Reset, Switch Action Open on Rise, Switch Type SPST, Temp. Range (F) 150 to 190, Differential 40, Inductive Amps @ 120V 10, Inductive Amps @ 240V 5, Pilot Duty Contacts (VA) 125, Resistive Amps @ 120V 25, Resistive Rating 240V 25, Voltage Range 120 to 277, Switch Closes @(F) 150, Switch Opens @(F) 190	$10.87
	SD005	***Snap Disc*** - Snap Disc Control, Adjustable Limit, Automatic Reset, Switch Action Open on Rise, Switch Type SPST, Temp. Range (F) 135 to 215, Differential 40, Inductive Amps @ 120V 14, Inductive Amps @ 240V 10, Pilot Duty Contacts (VA) 125, Resistive Amps @ 120V 25, Resistive Rating 240V 25, Voltage Range 120 to 240, Switch Closes @ (F) 135 to 175, Switch Opens @ (F) 175 to 215	$16.99
	LS001	***Laminated Solenoid*** - Current @ max stroke 4.90 Amps, coil resistance 20.5 Ohms, coil voltage rating @ 60 HZ 120 VAC, seated current 0.43 Amps, seated power 17.9 Watts, mounting holes on center length 2 in, mounting holes on center width 1 3/8 in, length 2 1/2 in, depth 2 1/16 in, width 1 13/16 in. The LS001 is the most common laminated solenoid used in the industry. *Grainger Part # 4X240, Dormeyer 2005-M-1, Guardian 18-C-120*	$25.79
	LSC01	***Laminated Solenoid*** - Current @ maximum stroke 6.50 Amps, coil resistance 14.9 Ohms, coil voltage rating @ 60 HZ 120 VAC, seated current 0.48 Amps, seated power 19 Watts, mounting holes on center length 2 in, mounting holes on center width 1 5/8 in, length 2 1/2 in, depth 2 1/16 in, width 2 1/16 in. *Grainger Part # 4X241, Dormeyer 2536-M-1*	$39.78
	LS002	***Laminated Solenoid*** - Current @ maximum stroke 1.25 Amps, coil resistance 88.0 Ohms, coil voltage rating @ 60 HZ 120 VAC, seated current 0.24 Amps, seated power 9.5 Watts, mounting holes on center length 1 3/8 in, mounting holes on center width 5 7/8 in, length 1 5/8 in, depth 1 7/16 in, width 1 3/16 in. *Grainger Part # 4X239, Dormeyer 1000-M-1, Guardian 16-C-120*	$19.69
	LS242	***Laminated Solenoid*** - Current @ Max Stroke 12.0 Amps, Coil Resistance 6.5 Ohms, Coil Voltage Rating @ 60 hz 120 VAC, Seated Current 0.66 Ampere, Seated Power 25 Watts, Mounting Holes On Center Length 2 Inches, Mounting Holes On Center Width 1 7/8 Inches, Length 3 Inches, Depth 2 15/16 Inches, Width 2 3/8 Inches *Dormeyer 3000-M-1*	$43.99
	FR001 ***FR012***	***Fiberglass Braided Rope*** - To seal the doors and any other gaps which let in air. Handles well over 1000 degrees F. We recommend hi-heat 100% silicon to hold the rope in the door. ***FR001*** is 1" round thick high quality rope. Sold by the foot. ****** 1" Rope by the Box (250 feet) = $325.00 (SAVE $50) ****** ***FR012*** is 1/2" wide and 1/16" thick, braided. Sold by the foot.	$1.50 per ft. $.35 per ft.
	Silicone	***High Temp Silicone -*** 10 oz tube, can be used to seal wood boiler chimneys and doors. Can also be used to install Fire Rope.	$6.99
	VC301	***Vent Cap*** - For all wood stoves, 2 1/2" Diameter, helps prevent water evaporation & debris.	$12.99
	DH101	***Door Handle -*** Insulated Handle for most wood stoves.	$9.25
	SRH101	***Slide Rod Handle -*** Insulated Handle for most wood stoves.	$12.52
	SB001	***Bracket Square -*** To connect the laminated solenoid to your rubber flapper on a fan/ blower that has a SQUARE shoot (FN446, FN004, FN1TDP7, FNA166)	$17.99
	SB001s	***Bracket Round -*** To connect the laminated solenoid to your rubber flapper on a fan/ blower that has a ROUND shoot (FN1TDP3, FN1TDN7)	$19.99
	FC546	***Fan Cover*** - Is used to cover the blower to stop air from entering wood boilers. It is used on all WoodMaster Wood Furnaces. It is made from a high quality rubber which will last several years and it's backed by 20 gauge galvanized steel. Excellent option for all wood boilers.	$14.99
	FBW001	***Fan Blower Wire -*** Used to connect the fan to the laminated solenoid. 20" length with a spade connector and protective sheathing. 14AWG. Heat rated 220 F. Water Resistant.	$6.99
	DS001	***Draft Spring—DIY -*** This is the draft spring used in our DIY Kits as well as on all WoodMaster furnaces.	$3.46
	DS002	***Draft Spring—Shaver -*** This is the draft spring used in our Shaver Damper Kits.	$3.46

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Wood Master Specific Parts

	ETC Assembly - Wood Master ETC Panel New. This is a Brand New ETC Panel that is used with the Wood Master 3300, 4400, 5500 and 6500 Models. Extremely easy to Install with the quick connect. Comes pre-programmed.	$249.99
	Reconditioned ETC Assembly - Some times settings reset or there is water damage or it just stops working. So we simply repair and reprogram the control panel. Simply take off your bad one and put this into place. We will need your old one back, so we can repair and pass on the savings to the next person. If you want to keep your old panel you will need to buy a new ETC panel at full price. The panels are fully tested and work as they should.	$159.99 *+ $60.00* *Core Charge*
	ETC Shield & UV Protection - Help protect the ETC panel from water and sun damage.	$35.99
	ETC Black Box - This is installed behind the ETC panel and protects all of the internal wiring of the boiler.	$20.23
	WMAQ004—The WoodMaster Aquastat/temperature gauge. Controls wood boiler temperatures. Is preset to WoodMaster specifications. This is a Direct Replacement for WoodMaster. (XR30CX)	$121.99
	LSW101 Light ON/OFF Switch - To replace on the ETC Assembly	$9.57
	FS101 Fan ON/OFF Switch - To replace on the ETC Assembly	$7.25
	WL302 Green LED Light Assembly - For water level light. LED light for long life.	$29.99
	WL001 Float Assembly - For water level light. Used on Wood Master wood furnaces.	$89.99
	AQ305 Thermistor Wire - For digital aquastat. (3" stainless steel probe & 6 ft wire) *Fixes P1 issue*.	$11.96
	Complete Front Door Assembly - Designed to be air cooled. Includes fan (FN446), fan cover (FC546), laminated solenoid (LS001), draft spring (DS001), blower wire (FBW001), and 1" fire rope (cut to fit. Simple mounting (hinge). 4400 = 24" x 24" 5500 = 27" x 27" ***Great door for the DIY Guy building their own outdoor furnace.*** **** THIS ITEM DOES NOT QUALIFY FOR FREE SHIPPING ****	FD4400 $475.00 FD5500 $499.00
	Complete Auger & Grate Assembly - An ash auger can be added to the 4400 or 5500 models only. This is a complete auger kit, everything you will need. Install is simple. Made with 1/4 mild steel, in the USA. Includes Auger Grate, Auger Assembly, Auger Extractor, Auger Trap Door and Auger Handle. **** THIS ITEM DOES NOT QUALIFY FOR FREE SHIPPING ****	AK4400 $525.00 AK5500 $550.00
	Complete Wiring Harness - Used in the 4400 and 5500 models. Wires are simply labeled and can be easily installed in a couple hours. There is a quick connect included to hookup to an ETC Assembly. A Direct Replacement from WoodMaster.	WH4400 $49.61 WH5500 $71.21

FREIGHT ONLY

	DWkit Domestic Hot Water Kit Designed to be used with the brazed plate exchanger being mounted on a domestic hot water tank. All fittings shown are included in the kit to simplify the order process and to get those hard-to-find parts. We only use high quality fittings and parts. ***DWkitsb*** *comes with SharkBite® fittings.*	*DWkit* *DWkitsb*	$47.75 $57.59
	SDWkitsb Shaver Internal Domestic Hot Water Kit Designed for wood furnaces with domestic hot water coils inside the wood furnaces. This kit will only work with a unit with an internal coil. Diagram of installation is included in kit. The only additional thing you will need is a pump. Pump sizing is dependent on application.	*SDWkitsb*	$71.39
	HCKitsb Hydro Coil Kit Works with forced air systems and with our water to air heat exchangers to simplify installation. All *SharkBite®* fittings shown are included in the kit to simplify the order process and to get those hard-to-find parts. ***HCKIT*** *comes with copper fittings, pex crimp fittings and crimp rings.*	*HCkit* *HCkitsb*	$16.39 $28.99
	AHCkit Aquastat & Hydro Coil Kit This kit is to simplify the installation of an existing hot air furnace to a wood furnace or boiler, to determine furnace priority & a seamless heating situation. This kit allows use of your existing thermostat and also comes with diagram and wiring directions. ***AHCkitsb*** *comes with SharkBite® fittings.*	*AHCkit* *AHCkitsb*	$91.29 $101.85
	BBkit Brazed Boiler Kit Designed for installing a brazed plate exchanger on an existing boiler. All fittings shown are included in the kit to simplify the order process and to get those hard-to-find parts. ***BBkitsb*** *comes with SharkBite® fittings.*	*BBkit* *BBkitsb*	$19.29 $35.99
	BBkitIC Brazed Boiler Kit with Internal Coil Kit Designed to be used with the brazed plate exchanger and boilers with internal domestic coils. All part & fittings shown are included in the kit to simplify the order process and to get those hard-to-find parts. We only use high quality fittings and parts. ***Included in kit*** *BKU01 (2), PF01 (2), PR01 (2), BKT34, BKN3402, CVS34, TP007, PF034 & AQ003, a roll of teflon tape and easy to follow diagram.* ***BBkitICsb*** *comes with SharkBite® fittings.*	*BBkitIC* *BBkitICsb*	$179.99 $192.99
	MBPkit Manual By-Pass Kit This kit was put together for a manual by-pass of a water to air, space heater, or any other heat exchanger you would like to by-pass. All fittings shown are included in the kit to simplify the order process and to get those hard-to-find parts. We only use high quality fittings and parts. ***MBPkitsb*** *comes with SharkBite® fittings.*	*MBPkit* *MBPkitsb*	$38.89 $85.49
	MFKit Manual Feed Kit This kit was designed for manual refill of your boiler. It is most often used with open loop systems. All fittings shown are included in the kit to simplify the order process and to get those hard-to-find parts. We only use high quality fittings and parts. 1" pex fittings and pex crimp rings for easy installation. ***MFkitsb*** *comes with SharkBite® fittings.*	*MFkit* *MFkitsb*	$21.99 $53.99
	INSTkit Install Kit This is a must have for new boiler installs. This kit was designed for hooking-up wood boilers and pumps properly. We also took into consideration bleeding the air from water lines and trouble shooting possible future issues (ex: pumps). Includes 1" pex fittings and pex crimp rings for easy installation. Crimp tools available (see Pages 13 or 19). ***INSTkitsb*** *comes with SharkBite® fittings.*	*INSTkit* *INSTkitsb*	$32.99 $45.99
	SINSTkit Shaver Install Kit This kit was designed for Shaver wood boiler hook-ups. All shown parts are included in the kit to simplify the installation & ordering process and to get those hard-to-find parts. We also took into consideration bleeding the air from water lines and trouble shooting possible future issues (ex: pumps). 1" pex fittings; ***SINSTKitsb*** *comes with SharkBite® fittings.*	*SINSTkit* *SINSTkitsb*	$48.99 $59.99
	PSkit Pool & Spa Kit: 1" or 3/4" - This kit was designed for Pool and Spa hook-ups. It is most often used with open and closed loop system. All fittings shown are included in the kit to simplify the order process and to get those hard to find parts. We only use high quality fittings and parts. ***PSkit01*** *includes 1" fittings for larger exchangers &* ***PSkit34*** *3/4" fittings for SS series heat exchangers. (Page 27)*	*PSkit01* *PSkit34*	$216.99 $212.49

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Shaver Installation Kits

	SDKitComplete Complete Shaver Damper Kit This is a great kit to Upgrade your Shaver Wood Furnace. And we've done most of the work for you!! Everything comes already assembled and is very simple to use. You will have the ability to set the water temperature and differential anywhere you like depending on the season. **This kit includes:** An Upgraded Fan 1TDP3, Laminated Solenoid LS001, Laminated Solenoid Bracket, Blower Wire Jumper, Fan Cover FC546, Fan Cover Spring, Digital Aquastat AQ007, Stainless Steel Dry Well DW1204, a How to install Diagram and a Wiring Diagram.	$274.99 Free Shipping
	SDKitAQ Shaver Auto Damper Kit with Digital Aquastat Like the kit above plus you will have a lot more control of your Wood Furnace with the assistance of the Digital Aquastat. You will have the ability to set the water temperature and differential anywhere you like depending on the season. **This kit only works with Shaver Wood Furnace with 1TDP3 fan! If your Shaver Wood Furnace has the 1TDN7 fan, you will need to get the 1TDP3 fan or SDKitComplete. This kit includes:** Laminated Solenoid LS001, Laminated Solenoid Bracket, Blower Wire Jumper, Fan Cover FC546, Fan Cover Spring, Digital Aquastat AQ007, Stainless Steel Dry Well DW1204, Diagram How to install, Wiring Diagram. ****Fan is not Included in this Kit****	$189.99
	SDKit ShaveSDKit Shaver Auto Damper Kit This is a great kit to Upgrade your Shaver Wood Furnace. Your Shaver will smoke less during idle, burn hotter and cleaner. Will reduce the amount of wood being burned as well. To Install this kit it should take about an hour with a handful of tools. **This kit only works with Shaver Wood Furnace with 1TDP3 fan! If your Shaver Wood Furnace has the 1TDN7 fan, you will need to get the 1TDP3 fan or the SDKitComlete. This kit includes:** Laminated Solenoid LS001, Laminated Solenoid Bracket, Blower Wire Jumper, Fan Cover FC546, Fan Cover Spring, and a How to install Diagram. ****Fan is not Included in this Kit****	$99.99

Do It Yourself Installation Kits

	DIYKitComplete, Build Your Own Wood Boiler or Furnace This kit includes all that you see in the picture, as well as a Wiring Diagram to assist you in the setup and install of the kit. The Kit Includes: AQ007 Ranco Digital Controller (Which controls the Water Temp of your Boiler), DW1204 Stainless Dry well for Ranco controller (This holds the Temp Prob. of the Digital controller), 4C446 Dayton Blower (FN446) (The fan / Blower that feeds your boiler with air with 148CFM), FC546 Fan Cover for Dayton Fan (This cover prevents air entering your boiler when idling to prevent overheating and excessively smoking), LS001 Laminated Solenoid to lift fan cover (This Solenoid lifts the fan cover when the Fan/ Blower is activated), Solenoid Bracket (Holds Solenoid), Fan Blower Wire (Wire from solenoid to Blower / Fan). The Dimensions: 12 3/4" Height and 6 1/2" wide (This is the Measurement of the Kit Completely assembled). Volts: 115 V (All you need is to provide electricity to your Boiler). ** Comes assembled.	$274.99 Free Shipping
	DIYKitAQ Auto Damper Kit with Digital Aquastat This kit includes all of the parts listed above *EXCEPT* the fan. *It does not come assembled.*	$189.99
	DIYKit Auto Damper Kit This kit includes all of the parts listed above *EXCEPT* the fan, Aquastat or Stainless Steel Drywell. *It does not come assembled.*	$99.99
The above kits will work with: FN446, FN004, FN1TDP7, FNA166		

	AQ001 Well Immersion Control - L6006A 1012, contact current rating @ 120 VAC 8 Amps, contact current rating @ 240 Vac 5.1 Amps, differential 5-30° F, switch action SPDT, temperature setting range 100-240° F, height 5 3/8 in, width 2 in, depth 2 1/8 in (immersion well included). This aqua-stat is used to control most older wood boilers. The drywell has a 1/2" thread.	$133.99
	AQ003 Hot Water Control Strap On Aqua Stat - Honeywell L6006c 1018, contact current rating @ 120 VAC 8 Amps, contact current rating @ 240 VAC 5.1 Amps, differential 5-30° F adjustable, switch action SPDT, temp. setting range 65-200° F, open/close on temperature rise. Used to communicate with wood boilers and hot air systems. Manually adjustable.	$74.86
	AQ008 Well Immersion Control - Honeywell L4006E 1091, breaks on rise. High limit; Manual reset aqua-stat controller with 130° F to 270° F operating temperature, 250 Stop, manual reset, 3" insulation, less well, full electrical load: 240 VAC; 2.6A @ 120 VAC, case dimensions (in.) 5 5/8 in. high x 2 in. wide x 2 1/8 in. deep.	$99.98
	AQL4006A - Honeywell L4006A 1678, 100° F to 240° F operating temperature and 5° F to 30° F adj. differential has 3" capillary. Immersion well not included. Breaks the circuit on a temperature rise to the control setting. Used for high limit or low limit control. Stop factory set at 240° F. A setting stop is included to prevent setting above a desired temperature on limit.	$99.99
	IW1203 & IW3403 Copper Immersion Well - 1/2" or 3/4" MPT, bulb Dia. 3/8", max insertion/bulb length 3", insulation depth 1", accessory for controls, includes mounting clamp.	IW1203 1/2" $14.99 IW3403 3/4" $14.99
	AQ002 Ranco ETC - 112000-000 Electronic temperature control single stage sensor, range –30° F to + 220° F, differential of 1° F to 30° F, power **24 VAC**. class 2, output SPDT relay. Commonly used for heating pools, spas, solar applications & much more.	$59.99
Best Sellers	***AQ007 Ranco ETC*** - 111000 is a microprocessor based temperature controller, suitable for switching **120 VAC**, up to 16 Amps for heating or cooling applications making it suitable for a wide range of applications. Temperature set point range: -30° F to 220° F, Differential range: 1° F to 30°F, Input Voltage: 120 VAC, Sensor: Thermistor, 2" long x 1/4" dia with 8' cable (included) normally open (NO): 16 Amps @120 VAC normally closed (NC): 8 Amps @120 VAC. Excellent upgrade for wood boilers with simple aqua-stats. This is used to control the fan on an Outdoor Furnace.	$64.95
	DW12 Stainless Steel Dry Well - Most commonly used with pools and spas. Mounted in a tee in the water stream and probe mounted inside to monitor pool or spa temperature. Total length 3", 1/2" MNPT, 1 3/4" probe length. ***DW1204 Stainless Steel Dry Well*** - Is the same as DW12 but is a total length of 4", 1/2" MNPT, 2 3/4" probe length. *** These drywells work with AQ002 & AQ007 ***	DW12 $17.73 DW1204 $17.99
	AQ004 ***Dixell Controller XR30CX*** - Aquastat/temperature gauge. Controls ***wood boiler temperatures***. Has only 1 probe input. **AQ004AC** ***Dixell Controller XR30CX*** - Aquastat/temperature gauge. Controls ***refrigeration systems***. Has only 1 probe input.	$99.99
	AQ044 ***Dixell Controller XR40CX*** - Aquastat/temperature gauge. Controls ***wood boiler temperatures***. Has 2 probe inputs. **AQ044AC** ***Dixell Controller XR40CX*** - Aquastat/temperature gauge. Controls ***refrigeration systems***. Has 2 probe inputs.	$99.99

	AQ005 Therm-O-Disc - 59T4090 Thermostat, lower or 1 element, surface mount, manual reset 90° - 150° F, wood furnaces use this to turn on fans or pumps, 120 VAC. Commonly used for potable water. ***AQ006 Therm-O-Disc*** - 59T4200 Thermostat lower, surface mount, manual reset 120°-180° F, some wood furnaces use this to turn on fans or pumps, 120 VAC. Used on the back of Shaver furnaces.	$11.86 $15.49
	ZV013 & ZV343 3-Way Valve - The Honeywell VU844 are used in conjunction with the VU52, VU53 and VU54 valves for controlling the flow of hot or chilled water in commercial HVAC equipment such as fan coil units, terminal reheat coils and convectors. These valves are suitable for use in condensing, non-corrosive environments. 24 VAC	ZV343 3/4" swt $79.37 ZV013 1" swt $95.92
	ZV342 Zone Valve - Honeywell V8043A1029, 3/4" sweat; Honeywell manual opener for operation upon power failure; valve returns to automatic position when power is restored. High torque, constant speed motor operates valve on command of a 2-wire thermostat. Two-position straight through control of supply water. 24 VAC	$75.30
	TR11024 Transformer - Honeywell AT140A 1000, 24 VAC, 40 VA, 120 VAC, 60Hz, 120 VAC, provides power to 24 VAC circuits in heating/cooling control systems. Intended for use in systems with predictable, uniform loads. Can be used in any application that does not exceed the listed ratings.	$14.95
	TR22024 Tradeline Transformer AT72D1691 - Honeywell AT72 transformers power 24V systems including thermostats, gas valves and relays. Override protection provided, features color-coded leadwires for primary connections, energy limiting and meets NEMA Standard DC20-1992, transformer is marked NEMA Type D, meets NEC Class 2 not wet, Class 3 wet and UL 1585 requirements. -20 F to +105 F.	$24.97
	FC8285 Control Center/Fan Controller - Honeywell R8285 A 1048 control center, mounts on a 4 x 4 inch junction box, screw terminals on transformer terminal board, lead wires used for line connections, R8222B SPDT plug-in relay included, meets UL 3/4 horsepower requirements. This is usually used on furnaces without fan controls. Made for low voltage to turn on high voltage.	$34.99
	ZS101 Zone Switching Circulator Pump Relay - Honeywell R889A1001, external indicator lights, universal replace ability, snap-in PC board simplified wiring, fully enclosed snap-out relays, 100% factory tested, contractor friendly PC board layout, universal thermostat compatibility, UL and CSA Approved, Extended 3 Year Warranty.	$49.95
	SR503 Taco Switching Relay - clearly-labeled PC board layouts with advanced features that allow you to completely customize your system. All switching relays are UL listed, use standard "ice cube" replaceable relays and are compatible with conventional and programmable thermostats. For larger jobs, switching relays can be expanded up to 20 zones with priority.	$148.99
	DA221 Siemens Damper Actuator - GMA221.1u Open Air™ GMA series, 24 VAC/DC and 120 VAC, 62 lb-in, spring return, direct-coupled electronic damper actuators. The open air direct-coupled, spring return electronic damper actuators provide modulating, two-position and three-position control of building HVAC dampers. *Used with Greenwood units.*	$169.49
	RE001 Enclosed Fan Relay - Coil Voltage 24 VAC, contact current rating 8 Amps, coil voltage rating @ 50/60 HZ 24 VAC, contact current rating inductive @ 240 VAC 8 Amps, contact current rating inductive @ 120 VAC 8 Amps, resistive current @ 240 VAC 16 Amps, resistive current @ 120 VAC 16 Amps, switch action SPDT.	$10.99

Water Pumps

Made in the USA!

BF = Bronze Flanged. 3,4,5 = a design change that does not affect interchangeability. J = Bronze Cartridge. Do Not be fooled by the basic model "00" pumps they will fail sooner! (Read the "Important" section below)

Taco 007 BF5-J Pump (Cast Iron pump with a Bronze Cartridge) Part # TP007

Lower Prices

New Lower Price $79.99 ea. or (2 or more) Price $69.99

The Taco 007 residential circulator is designed for use in hot water heating systems and is used in circulating zones in floor heat and baseboard. The unique replacement cartridges deliver direct drive and are serviced without replacing pump. They are self lubricating and require no maintenance. (110 volt)

Hot Seller

Taco 009 BF5-J Pump Part # TP009

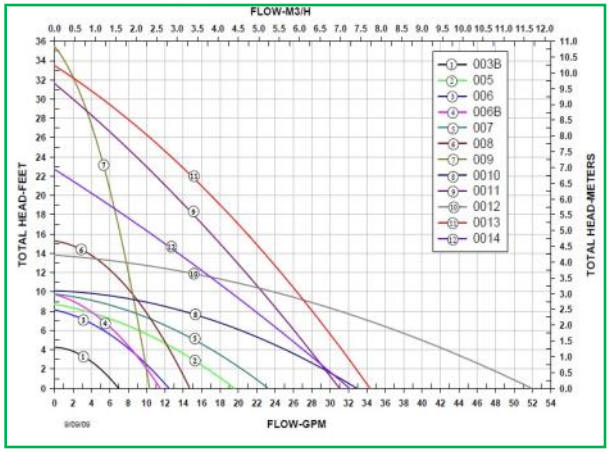
(Cast Iron pump with a Bronze Cartridge)

Price $179.99 ea. (2 or more) Price $157.99

The Taco 009 typical uses include hydronic heating, radiant in-floor/panel heating, closed & open loop solar and wood furnace heating systems. The bronze cartridge 009 is used in higher-head/lower-flow heat recovery, heating and light commercial. The unique replaceable cartridge contains all of the moving parts and allows for easy service, instead of replacing the entire circulator. Compact, direct-drive, low power consumption design is ideal for high-efficiency jobs. (110 volt) Taco 009 BF5-J & Taco 0011 BF4-J are the flagship pumps of the wood boiler industry.

Important

These "J" pumps were designed for open & closed systems due to the amount of oxygen in the system. The Bronze cartridge prevents the pump from deteriorating due to oxygen in the water system. This ensures a long pump life! All these pumps are cast iron with a bronze cartridge. Not for potable water use. These pumps can replace standard "00" pumps.



Big Seller

Taco 0011 BF4-J Pump

Part # TP011

(Cast Iron pump with a Bronze Cartridge)

Price $189.99 ea. (2 or more) Price $169.99 ea

The Taco 0011 pump is designed for hot water heating systems; high velocity along with high lift. The 011 has all the same features as the previous 0011 model. Maximum load: 300' of run at 16' of lift with 1" I.D. water line. (110 volt) Taco 009 BF5-J & Taco 0011 BF4-J are the flagship pumps of the wood boiler industry.

Taco 0013 BF3-J Pump (Cast Iron pump with a Bronze Cartridge) Part # TP013

Price $229.99 ea. (2 or more) Price $209.99 ea. (Can be replaced with Taco 2400-20WB)

The Taco 0013 is specifically designed for high-head/high-flow applications in large residential and light commercial systems. It is ideal for high pressure drop boilers, fan coil units, heat exchangers, larger radiant systems, heat recovery and geothermal systems. The bronze cartridge 0013 should be used on open loop systems.

The Ultimate Wood Boiler Pump

Lower Prices

New

Best Seller

Taco 2400-20WB Wood Boiler Pump

3 Year Warranty

(Wood Boiler Series) Part # TP20WB

New Lower Price $247.99 ea. or (2 or more) Price $239.99

This pump was specifically designed with the wood furnace industry in mind. Are you tired of pumps failing yearly? Here is the answer! Taco 2400 Series High Capacity Circulators are specifically designed for quiet, efficient, dependable operation in a wide range of medium to high flow/head hydronic heating, chilled water cooling and hot water recirculation applications. The space saving, close-coupled, maintenance free motor with permanently lubricated, sealed-for-life bearings, Noryl® impeller and durable, carbon/silicon-carbide mechanical seal provide unmatched reliability.

The compact 2400 Series High Capacity Circulators are for use in a wide range of larger residential and commercial hydronic systems. Typical applications include hydronic heating, in-floor radiant, snow melt, high pressure drop boilers, outdoor wood boilers, chilled water cooling, geothermal heat pumps, primary/secondary loops and hydro air fan coils. The unitized, carbon/silicon-carbide mechanical seal is easy to service in only a few minutes.

The specifications are very similar to the Taco 0013 pump (above) with a little extra behind it! These pumps are designed to run in a non-pressure or open loop environment.

Free Shipping on MOST Orders of *$250.00 or more*

(Alaska, Hawaii and Canada not included)

ORDER BY 3PM EST MONDAY THRU FRIDAY

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Water Pumps

ARMSTRONG

Astro 2 Cast Iron Pumps (3 Speed) *Should be used in closed loop systems*

Model	Part #	Full Load Amp Draw (A)	Price (each)	Price (2 or more)
Astro 230-3 (110223-305)	ARM30-3	0.81 - 1/25hp	$89.99	$81.99
Astro 250-3 (110223-307)	ARM50-3	0.98 - 1/20hp	$116.99	$106.99

New Low Price

New Features: 3 Speed Pumps , Removable Check Valve, Lead Free Pumps

Astro 2 Stainless Steel Pumps (3 Speed) *To be used in potable water applications or open systems*

Model	Part #	Full Load Amp Draw (A)	Price	Price (2 or more)
Astro 30SS-3 (110223-306)	ARM30SS-3	0.81 - 1/25hp	$214.99	$194.99
Astro 50SS-3 (110223-308)	ARM50SS-3	0.98 - 1/20hp	$232.99	$212.99

Armstrong Astro SS TA *For internal coils*

Model	Part #	Price	Price (2 or more)
Astro 230SS-TA (110223-148)	Astro230SS-TA	$317.99	$297.99
Astro 250SS-TA (110223-149)	Astro250SS-TA	$327.99	$307.99

1/25 HP, Stainless Steel Recirculation Pump with Timer, Aquastat & 6ft cord.

For all the people with wood boilers that have internal domestic coils. A nice simple, energy efficient and cost effective solution without altering your domestic hot water tank.

All you do is pipe this into your wood boiler and domestic hot water tank. The pump will sense temperature and will turn on the pump when necessary. This slick unit also has a built in timer, which will ensure plenty of hot water at the time of day your family needs it. These pumps can circulate up to 250 feet.

For internal coils

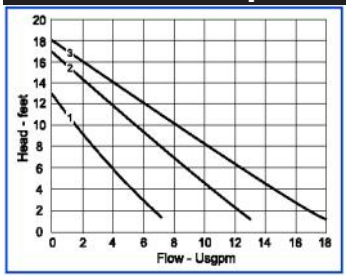
ARMflo Pumps Model and Price

Model	Part #	Full Load Amp Draw (A)	Price	Price (2 or more)
ARM*flo* E7 (182202-643)	ARME7	2.0 - 1/6hp	$249.99	$229.99
ARM*flo* E8 (182202-657)	ARME8	2.0 - 1/6hp	$269.99	$249.99
ARM*flo* E9 (182202-659)	ARME9	2.0 - 1/6hp	$279.99	$259.99

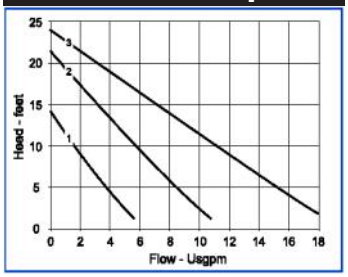
ARMflo E Series high efficiency circulators are perfect for heating or cooling applications such as hot water, geothermal, radiant panel and snow melting in large residential and light commercial installations. The advanced motor technology and efficient hydraulic design of the E Series yields an overall efficiency that's up to 41% better than competitive pumps of similar power.

Performance Charts

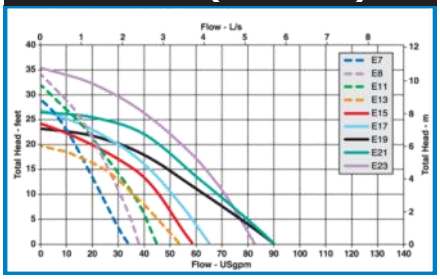
Astro 30 - 3 Speed



Astro 50 - 3 Speed



ARMflo (E Series)



Phone 888-881-1602
Fax 203-881-1649
Online www.AltHeatSupply.com

THREE WAYS TO ORDER

Freedom Flanges

Made in the USA!

A Quality Flange, Not a Cheap Look a Like!

— Fits all Taco "00" circulators, Armstrong and most flanged pumps
— Easy-on, easy-off with an adjustable wrench
— Stronger than standard cast iron
— Available in 3/4" & 1"

Best Seller

Part #	Description	Price	Box Price
PF034 (Best Seller)	3/4" NPT Flange	$11.99	$9.99 ea. (12 sets in a box)
PF001	1" NPT Flange	$11.99	$9.99 ea. (12 sets in a box)

Isolation Flanges

Armstrong Quality at a Great Price!

The Circulator Isolation Flange (CIF) is designed to work with most circulating pumps. Armstrong uses a full port design ball valve. The practical, all-in-one design of the CIF conveniently isolates the circulator and eliminates the need to drain the system when pump repair or replacement is required.

Part #	Description	Price	2 or more
IS034 (Best Seller)	3/4" NPT Full Port Isolation Flange	$20.99 ea.	$18.99 ea.
IS001	1" NPT Full Port Isolation Flange	$24.99 ea.	$21.99 ea.
IS114	1 1/4" NPT Full Port Isolation Flange	$28.99 ea.	$25.99 ea.

Taco Pump Replacement Cartridges

Taco Replacement Cartridges make it easy to repair the pump while in place. Maximum operating pressure is 125 PSI, Maximum water temp 250° F.

To replace, simply remove the four head bolts and remove the head. Slide old cartridge out and replace with new one. Remount the head and replace the four bolts. Done!

Check your pump first before ordering a new cartridge. Simply remove the cartridge run warm water over it and try turning the cartridge until it frees up, this will sometimes fix the frozen cartridge. Small pieces of debris will simply cause the cartridge to seize up.

These cartridges work with "00" series pumps.

Part #	Description	Price
RC007	Replacement Cartridge for 007 (007-045RP)	$81.99
RC009	Replacement Cartridge for 009 (009-022RP)	$123.99
RC011	Replacement Cartridge for 0011 (0011-010RP)	$159.99
RC013	Replacement Cartridge for 0013 (0013-008RP)	$161.99

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(Alaska, Hawaii and Canada not included)

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Shop online *www.AltHeatSupply.com* and Save!

Boiler Installation Parts

Part	Description	Price
	BTOkit Boiler Trim-Out Kit - Is for use on commercial and residential closed loop hydronic heating systems. Included in the kit are: an air vent (AV18), an air purge, a combination fill valve and backflow preventer (BFPRV) and an ET30 series expansion tank. BTOkit01 = 1" thread Air Purge (AP01) BTOkit02 = 1 1/4" thread Air Purge (AP114)	BTOkit01 $154.45 BTOkit02 $154.45
	DFS01 Dwyer Model FS-2 Paddle Flow Switch - Offers an economical flow improving solution. Custom set points tailored for the application are enabled by field adjustable vane layers and a set point adjustment screw. The FS-2 features an aluminum weatherproof housing for outdoor installation. Paddles are adjustable to fit 1" - 8" pipe. FS -2 is ideal for use in "flow or no flow" applications, in cold and hot water systems.	$49.99
	MFS12 Madison M8700 Flow Switch - Liquid level, wire gauge 22, max. temp. 221° F, max. temp. 105° C, max. pressure 100 PSI, float material polypropylene.	$36.89
	BFPRV Bronze Combination Fill Valve and Backflow Preventer - Combines the Cash Acme A-89 pressure reducing boiler feed valve and the BFP double-check backflow preventer. The BFAC accurately reduces the system pressure to 14 PSI, while preventing contaminated water from flowing back through the line. 1/2" NPT.	$97.17
	PRV34 Boiler Pressure Relief Valve - Bronze body, stainless steel spring and internals. 30 PSI, 510,000 BTU/HR, 3/4" male inlet and female outlet.	$17.82
	TRV341 Temperature Relief Valve - Bronze body, coated thermal unit, stainless steel spring and internals. 210° F, CSA, ASME, male inlet and female outlet. 3/4" MNPT, 1" probe.	$17.82
	YS34 & YS01 Y-Strainer - Can be installed in the pipeline wherever small solid particles occupy the main flow of liquids or gases. The Y-Strainer can be installed so that the screening element is on the lower end of the body, allowing entrapped material to collect in it. The removable cap can be detached periodically to clean and maintain the mesh screen. (*YS34 = 3/4" FPT and YS01 = 1" FPT)*	YS34 3/4" $17.55 YS01 1" $24.84
	BV01 Ball Valve - 100 percent full port opening. Solid ball. Teflon seats and packing. 600 PSI WOG. Meets California Prop. 65 Drinking Water Standards and ANSI/NSF 61-8.	*See page 19*
	Cash Acme T-Series Expansion Tanks - For use in heating systems to absorb the increased hot water volume due to expansion thus maintaining system pressure. Welded construction ensures long and reliable service. Heavy duty SBR diaphragm and epoxy paint finish. All models factory precharged to 12 PSI. *(Sizes: ET-15 at 2.1 gal, ET-30 at 5 gal, ET-60 at 6.5 gal, ET-90 at 13.5 gal)*	ET-15 $31.77 ET-30 $37.00 ET-60 $79.99 ET-90 $119.95
	AP01 & AP114 Air Purge - For use in heating systems to trap entrained air from the circulating water. One piece cast iron construction. No service required. Economical and easy to install. *(AP01 = 1" FPT, AP114 = 1 1/4" FPT) ** Can be used with the AV18 below*	*AP01* $16.59 *AP114* $17.59
	AV14 & AV18 Cash Acme AV Series Air Vent - With a manual vent feature it can be used in commercial and residential hydronic heating applications to provide automatic air venting for hot or cold water distribution systems. Ideal for use with glycol systems or for use as an anti-vacuum device. *(AV14 = MPT 1/4", AV18 = MPT 1/8")*	*AV14* $5.86 *AV18* $5.86
	BD12 & BD34 Boiler Drain - Boiler drain valve, material of construction bronze, MNPT x hose connection, open length 3 11/16 In, Max temp 180° F, Max pressure 125 PSI, aluminum hand wheel, standards CSA B125 approved, IAPMO listed. *(BD12 1/2" MPT, BD34 3/4" MPT)* See Page 19 for quantity discounts.	*BD12* $5.00 *BD34* $5.43
	ETOpen Expansion Tank - 5 gallon tank for use with open loop systems. Tank comes with hanging mounts and a 1 1/2" fill port. Also provided are 4 - 1/2" FPT ports for site gauge, expansion water line and boiler drain (Not included with tank). Excellent product for drain back systems and solar applications.	$59.99 ON SALE

Sharkbite Fittings & Tools

Part	Description	Part #	Size	Price/each	Price ea./bag	Qty
	SharkBite® 90° Elbow	SB912 SB934 SB901	1/2″ 3/4″ 1″	$5.99 $6.99 $14.99	$5.59 $6.79 $13.99	12 12 6
	SharkBite® x MPT	SBM12 SBM34 SBM01 SBM0134 SBM1234	1/2″ x 1/2″ 3/4″ x 3/4″ 1″ x 1″ 1″ x 3/4″ 1/2″ x 3/4″	$4.59 $4.99 $10.99 $10.99 $5.29	$4.29 $4.79 $10.49 $10.49 $4.99	12 12 6 6 6
	SharkBite® x FPT	SBF12 SBF34 SBF01	1/2″ x 1/2″ 3/4″ x 3/4″ 1″ x 1″	$4.69 $4.99 $10.49	$4.52 $4.79 $10.19	12 6 6
	SharkBite® Coupler	SBC12 SBC34 SBC01	1/2″ x 1/2″ 3/4″ x 3/4″ 1″ x 1″	$5.65 $6.99 $13.29	$5.24 $6.50 $12.99	12 12 6
	SharkBite® Reducing Coupling	SBC3412 SBC0134	3/4″ x 1/2″ 1″ x 3/4″	$6.29 $14.62	$5.99 $14.37	12 6
	SharkBite® Stop	SBS12 SBS34 SBS01	1/2″ 3/4″ 1″	$5.99 $5.85 $11.75	$5.49 $5.35 $11.05	12 6 6
	SharkBite® Tee	SBT12 SBT34 SBT01	1/2″ 3/4″ 1″	$7.25 $9.69 $20.79	$6.99 $9.39 $20.29	12 6 3
	SharkBite® Reducing Tee	SBT343412 SBT341234 SBT341212 SBT010134	3/4″x3/4″x1/2″ 3/4″x1/2″3/4″ 3/4″x1/2″x1/2″ 1″x1″x3/4″	$9.59 $10.09 $9.75 $17.65	$9.19 $9.39 $9.25 $16.75	6 6 12 3
	SharkBite® Check Valve	SBCV12 SBCV34 SBCV01	1/2″ 3/4″ 1″	$12.99 $14.99 $29.89	$12.59 $14.59 $27.89	3 3 3
	SharkBite® Ball Valve	SBBV12 SBBV34 SBBV01	1/2″ 3/4″ 1″	$11.49 $13.99 $18.99	$10.99 $13.49 $18.29	12 12 6
	SharkBite® Pressure Gauge	SBPG12 SBPG34 SBPG01	1/2″ 3/4″ 1″	$18.99 $24.99 $29.99	$16.99 $19.99 $28.99	3 3 3
	SharkBite® Temp Gauge	SBTG12 SBTG34 SBTG01	1/2″ 3/4″ 1″	$27.96 $37.99 $44.95	$26.49 $34.99 $39.99	3 3 3
	SharkBite® Disconnect Clip	SBDC12 SBDC34 SBDC01 SBDC123	1/2″ 3/4″ 1″ 1/2″, 3/4″ & 1″	$1.49 $1.49 $1.79 $3.99	$1.29 $1.29 $1.39 $3.75	24 24 12 12
	SharkBite® Disconnect Tongs	SBDT12 SBDT34 SBDT01 SBDT123	1/2″ 3/4″ 1″ 1/2″, 3/4″ & 1″	$24.99 $24.99 $24.99 $59.99	$22.99 $22.99 $22.99 $57.99	3 3 3 3
	SBCKit The Cash Acme SharkBite® Fittings Line presents a revolutionary solution to connecting water distribution pipe. Our SharkBite® push-fit fittings are the fastest, easiest way to join copper, CTS CPVC and PEX pipe in any combination (With no soldering, clamps, unions or glue). Certified to 200 PSI and 200°F (93°C). *Includes 2 each: SBC12, SBC34, SBC3412, SBF12, SBF34, SBM12, SBM34, SB912 and SB934. Includes 1 each: SBT12, SBT34, SBS12, SBS34, SBDC01, SBDC12, SBDC34, and SBDT34.*			Reg. $229.[illegible] **Now $199.99**		

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(Alaska, Hawaii and Canada not included)

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Best Seller

Pex Fittings & Tools

Part	Part Description	Part #	Size	Price/each	Price ea./bag	Qty
	Pex x MPT	PM0101 PM0134 PM3434 PM3412 PM1212 PM1234	1" x 1" 1" x 3/4" 3/4" x 3/4" 3/4" x 1/2" 1/2" x 1/2" 1/2" x 3/4"	$3.79 $3.20 $2.25 $1.39 $1.49 $2.39	$3.54 $2.99 $1.99 $1.19 $1.38 $1.99	10 10 25 25 25 25
	Pex Coupler	PC01 PC34 PC12	1" 3/4" 1/2"	$1.85 $1.15 $0.75	$1.60 $0.97 $0.67	10 25 25
	Pex 90° Elbow	P901 P934 P912 P9M1212	1" 3/4" 1/2" 1/2" x 1/2"mpt	$2.77 $1.80 $1.49 $2.39	$2.49 $1.65 $1.39 $2.16	10 25 25 25
	Pex Tee	PT01 PT34 PT12 PT343412	1" 3/4" 1/2" 3/4" x 1/2"	$3.87 $2.02 $1.41 $2.81	$3.36 $1.99 $1.24 $2.24	10 25 25 25
	Pex x Male Sweat	PMS01 PMS34 PMS12 PMS1234	1" 3/4" 1/2" 1/2" x 3/4"	$2.82 $2.29 $1.99 $1.63	$2.32 $1.99 $1.69 $1.51	10 25 25 25
	Pex x Female FPT	PF01 PF34 PF12	1" 3/4" 1/2"	$3.15 $2.45 $1.74	$2.91 $2.15 $1.50	10 25 25
	Pex Plug	PP01 PP34 PP12	1" 3/4" 1/2"	$1.27 $0.99 $0.67	$1.07 $0.79 $0.58	25 25 25
	Pex x Pex Ball Valve	PBV01 PBV34 PBV12	1" 3/4" 1/2"	$13.99 $8.99 $6.99	$12.99 $7.99 $5.99	6 12 12
	Pex Ring (see page 23 for ss clamp rings)	PR01 PR34 PR12	1" 3/4" 1/2"	$0.49 $0.35 $0.30	$0.45 $0.30 $0.25	25 100 100
	Pex Talon (hangs pex to ceiling or wall easily)	PTT01 PTT34 PTT12	1" 3/4" 1/2"	$0.35 $0.26 $0.22	$0.25 $0.17 $0.17	50 100 100
	Small Compact Crimp Tool	PCT0138 PCT1234	1" & 3/8" 1/2" & 3/4"	$29.99 $29.99	$24.99 $24.99	2 2
	Pex Crimp Tool Long Handle Kit	PCTL01	3/8", 1/2", 3/4" & 1"	$249.99	$229.99	2
	Pex Crimp Tool Long Handle	PCTL34	3/4"	$79.99	$69.99	2
	Pex Waterline Kwik Cutter	PKK01	All	$15.92	$14.49	3

Copper Fittings

Part	Description	Part #	Size	Price/each	Price ea/bag	Qty
	90° Sweat Elbow	SW912 SW934 SW901	1/2″ 3/4″ 1″	$0.84 $1.79 $4.99	$0.78 $1.62 $4.69	25 25 10
	MPT x Sweat	SWM0134 SWM34 SWM01	1″ x 3/4″ 3/4″ 1″	$6.99 $2.79 $4.79	$6.69 $2.39 $4.59	25 25 10
	Sweat x FPT	SWF3401 SWF01	3/4″ x 1″ 1″	$7.99 $5.99	$7.49 $5.59	25 10
	Sweat Coupler with Stop	SWC12 SWC34 SWC01	1/2″ 3/4″ 1″	$0.42 $0.94 $2.29	$0.35 $0.85 $1.99	25 25 10
	Sweat 45°	SW412 SW434 SW401	1/2″ 3/4″ 1″	$1.01 $1.78 $4.48	$0.86 $1.52 $4.25	25 25 10
	Sweat Street 90°	SWS912 SWS934 SWS901	1/2″ 3/4″ 1″	$1.99 $2.99 $5.35	$1.59 $2.49 $4.65	25 25 10
	Sweat Tee	SWT12 SWT34 SWT01	1/2″ 3/4″ 1″	$0.96 $2.99 $6.99	$0.85 $2.69 $6.79	25 25 10
	Sweat Reducer Coupler	SWR3412 SWR0134	3/4″ x 1/2″ 1″ x 3/4″	$2.49 $3.79	$1.99 $3.29	25 25
	Pex x Sweat	PMS12 PMS34 PMS01 PMS1234	1/2″ 3/4″ 1″ 1/2″ x 3/4″	$1.99 $2.29 $2.82 $1.63	$1.69 $1.99 $2.32 $1.51	25 25 10 25
	Pipe Talon (hangs copper, pex & pvc to ceilings or walls easily)	PTT01 PTT34 PTT12	1″ 3/4″ 1/2″	$0.35 $0.26 $0.22	$0.25 $0.17 $0.17	50 100 100

Remember Teflon!

Part #TFW12
Only $.42 ea

Check Out our new wireless Temperature Gauge! Monitor your supply and return water temperatures right inside your home… Works best when mounted to copper pipes. *(See pg. 22)*
WTG300 (ET-732) Monitor Supply & Return Water Temps - Wireless receiver (up to 300 feet) with LCD beeps and flashes if temperature falls above or below your programmed range. LCD of receiver has back light for use at night. Receiver displays temperature up to 572° F. Alert warns you if your transmitter is out of range or has lost the radio frequency signal. Easy installation - just attach to copper pipe with electrical tape and wrap insulation around prop.

Download the most current catalog from our website. Take a look at "What's New" and items that are on sale.
Prices are subject to change due to copper prices!

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Brass Fittings

Part	Description	Part #	Size	Price/each	Price ea/bag	Qty
	FPT Brass Union	BRU34 BRU01	3/4″ 1″	$10.05 $13.99	$9.05 $13.29	10 10
	Brass Reducer Bushing	BRB0134 BRB0112	1″ x 3/4″ 1″ x 1/2″	$5.79 $3.51	$5.13 $2.85	10 10
	Brass Street 90°	BRS934 BRS901	3/4″ 1″	$8.99 $8.99	$8.45 $8.45	10 10
	Brass 90° Elbow FPT	BR934 BR901	3/4″ 1″	$6.99 $6.99	$6.39 $6.39	10 10
	2″ Brass Nipple	BRN3402 BRN0102	3/4″ 1″	$3.99 $4.99	$3.39 $4.39	10 10
	4″ Brass Nipple	BRN3404	3/4″	$5.99	$5.59	10
	Brass Tee FPT	BRT34 BRT01	3/4″ 1″	$9.89 $11.87	$9.52 $11.34	10 10
	Brass 45° FPT	BR434 BR401	3/4″ 1″	$3.84 $6.50	$3.52 $5.99	10 10
	Brass Coupling FPT	BRC34 BRC01	3/4″ 1″	$4.48 $6.73	$4.09 $6.34	10 10
Best Seller	Ball Valve FPT	BV12 BV34 BV01 BV114 BV112	1/2″ 3/4″ 1″ 1 1/4″ 1 1/2″	$4.95 $7.49 $12.99 $19.99 $18.89	$4.49 $6.79 $11.99 $18.49 $17.49	10 10 6 6 6
	Boiler Drain	BD34 BD12	3/4″ 1/2″	$5.43 $5.00	$4.69 $4.69	10 10
	Swing Check Valve	CVS34 CVS01	3/4″ 1″	$13.21 $19.99	$12.19 $16.52	10 10
	In-Line Spring Check Valve	CV12 CV34 CV01	1/2″ 3/4″ 1″	$13.20 $15.74 $21.59	$10.50 $12.98 $18.79	10 10 10

Black Malleable Fittings

Part	Description	Part #	Size	Price/each	Price ea/bag	Qty
	Malleable Iron Union	BKU01 BKU114	1″ 1 1/4″	$5.99 $6.99	$5.49 $6.49	10 10
	Malleable Iron Bushing	BKB0112 BKB11412 BKB11434 BKB11401	1″ x 1/2″ 1 1/4″ x 1/2″ 1 1/4″ x 3/4″ 1 1/4″ x 1″	$1.49 $2.99 $2.99 $1.95	$1.29 $1.89 $1.69 $1.79	10 10 10 10
	Malleable Iron Cross	BKC114	1 1/4″	$8.99	$7.99	10
	Malleable Iron 90º Straight Elbow	BK912 BK934 BK901 BK9114	1/2″ 3/4″ 1″ 1 1/4″	$0.85 $0.99 $1.79 $2.89	$0.79 $0.89 $1.59 $2.69	10 10 10 10
	Malleable Iron Straight Tee	BKT12 BKT34 BKT01 BKT114	1/2″ 3/4″ 1″ 1 1/4″	$0.99 $1.49 $2.79 $4.49	$0.89 $1.39 $2.59 $4.29	10 10 10 10
	Malleable Iron Reducing Tee	BKT0112 BKT0134 BKT11412	1″ x 1″ x 1/2″ 1″ x 1″ x 3/4″ 1 1/4″ x 1 1/4″ x 1/2″	$4.05 $3.99 $5.29	$3.54 $3.49 $4.99	10 10 10
	Malleable Iron Plug	BKP12 BKP34 BKP01 BKP114	1/2″ 3/4″ 1″ 1 1/4″	$0.89 $0.89 $1.29 $1.35	$0.75 $0.75 $1.00 $1.19	10 10 10 10
	Malleable Iron 90º Street Elbow	BKS901 BKS9114	1″ 1 1/4″	$2.79 $3.79	$2.29 $3.49	10 10
	Malleable Iron Reducing Coupling	BKC0134 BKC11412 BKC11434	1″ x 3/4″ 1 1/4″ x 1/2″ 1 1/4″ x 3/4″	$2.29 $2.99 $2.99	$1.99 $2.69 $2.69	10 10 10

Remember Teflon! ***Part #TFW12 Only $.42 ea.***

Helpful Tip!
Don't use galvanized fittings in a boiler application, ALL chemicals that protect your boiler eat the galvanized coating.

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Black Nipples

	Description	Part #	Price
	1/2" x Close Black Nipple	BKN12C	$0.79
	1/2" x 2" Black Nipple	BKN1202	$0.79
	1/2" x 3" Black Nipple	BKN1203	$0.84
	1/2" x 4" Black Nipple	BKN1204	$1.19
	1/2" x 6" Black Nipple	BKN1206	$1.58
	1/2" x 8" Black Nipple	BKN1208	$2.29
	1/2" x 10" Black Nipple	BKN1210	$2.89
	1/2" x 12" Black Nipple	BKN1212	$2.99
	3/4" x Close Black Nipple	BKN34C	$0.89
	3/4" x 2" Black Nipple	BKN3402	$0.89
	3/4" x 3" Black Nipple	BKN3403	$0.99
	3/4" x 4" Black Nipple	BKN3404	$1.29
	3/4" x 6" Black Nipple	BKN3406	$1.75
	3/4" x 8" Black Nipple	BKN3408	$2.99
	3/4" x 10" Black Nipple	BKN3410	$3.29
	3/4" x 12" Black Nipple	BKN3412	$3.69
	1" x Close Black Nipple	BKN01C	$1.19
	1" x 2" Black Nipple	BKN0102	$1.29
	1" x 3" Black Nipple	BKN0103	$1.35
	1" x 4" Black Nipple	BKN0104	$1.69
	1" x 6" Black Nipple	BKN0106	$2.29
	1" x 8" Black Nipple	BKN0108	$3.79
	1' x 10" Black Nipple	BKN0110	$4.49
	1" x 12" Black Nipple	BKN0112	$4.99
	1 1/4" x Close Black Nipple	BKN114C	$1.49
	1 1/4" x 2" Black Nipple	BKN11402	$1.69
	1 1/4" x 3" Black Nipple	BKN11403	$1.79
	1 1/4" x 4" Black Nipple	BKN11404	$2.09
	1 1/4" x 6" Black Nipple	BKN11406	$2.99
	1 1/4" x 8" Black Nipple	BKN11408	$4.79
	1 1/4" x 10" Black Nipple	BKN11410	$5.79
	1 1/4" x 12" Black Nipple	BKN11412	$6.49

Gauges & Thermometers

Part	Description	Price
	TG101 Dial Thermometer - Short stem length of 1 3/4", a temperature range of 32° to 250°F, 2.5" face, center back mount, 1/2" NPT thread.	$14.37
	TPG14 & TPG12 Tridicator - Honeywell Sparco, non-corrosive Valox® case, 1/2" or 1/4" NPT connection, graduation from 60° to 320° F, Max Pressure: 75 PSI.	TPG14 $19.95 TPG12 $25.55
	PG101 Pressure Gauge - 2" face, up to 30 PSI, 1/4" NPT brass lower connection, black steel case, for water, oil & gas.	$12.76
	SharkBite® Temperature & Pressure Gauge See Page 16 for pricing, quantity discounts and sizes. SharkBites® work with copper, pvc and pex.	*See Page 16*
	WTG01 (ET-73) Monitor Supply & Return Water Temps - Wireless receiver (up to 100 feet away), easy installation, very accurate, large bright LCD with backlight, batteries included (lasts about a year), 2 probes included (stainless steel). Monitors 32-392° F, high and low alarms. This remote thermometer was designed for cooking food; however, it works great for monitoring your boiler's water temperature and is inexpensive.	$49.99
	WTG300 (ET-732) Monitor Supply & Return Water Temps - Wireless receiver (up to 300 feet) with LCD, beeps and flashes if temperature falls above or below your programmed range, LCD on receiver has a back light for use at night, receiver displays temperature up to 572° F, Lost link alert warns you if your transmitter is out of range or has lost the radio frequency signal. Easy installation - just attach to copper pipe with electrical tape.	New Item $59.99
	LT001 Infrared Laser Thermometer - Simply press the trigger to measure temperatures, instant readings in F or C, large bright LCD with backlight, measures temperature without contact, laser pointer for accurate aim, measures –58°-1022° F, check for hot/cool spots, accurate up to 5' feet away. It is designed for cooking; however, works as good or better than the expensive ones, at half the price.	$49.99

Thermostats, Controls & Fans

Honeywell

Part	Description	Price
	TH001 Low Voltage Thermostat - Honeywell T822K 1018 (white) mercury free, systems: single-stage, low voltage, heat only systems, wire line terminals: R, W, snap action switch type, accuracy within 2°F (1° C.) dimensions: 4 3/4x2 7/8x1 3/8 inches deep (121x73x35 mm deep) setting temperature range: 50°-90° F, sensor element: Bimetal, voltage: 20 to 30 VAC, mounting: vertical.	$27.98
Best Seller	***TH002 In-Line Thermostat*** - Honeywell T4398 A 1021 (white) precision electric heating thermostat. SPST switching (two wire), includes cover thermometer, temperature range stops and locking cover, rugged, molded thermoplastic mounting base. Vapor-filled dual diaphragm sensing element provides accurate temperature sensitivity. Temperature range 50° to 80°F	$26.59
	SC36 Speed Control - Rotary, adjustable, 115 VAC, max Amps 3, max wattage 360, plate color silver, height 4 1/2 In, width 2 3/4 In, depth 1 1/4 In, fits single gang box, for use with Dayton and other compatible speed controllable ventilators and fans, UL component recognized, includes mounting screws and wire nuts.	$19.99
	Exhaust Fans - Medium duty direct drive, max ambient temp 104° F, 115 VAC, 60 Hz, 1 phase, bearing type sleeve, motor type shaded pole, vertical mounting position, propeller material stamped aluminum, number of blades 3, speed controllable with SC801 or SC901. ****** THERE IS A $25.00 OVERSIZE BOX FEE FOR THE UHF16, UHF18 AND UHF20****** *(UHF12=12" Diameter, UHF16=16" Diameter, UHF18=18" Diameter, UHF20=20" Diameter.)*	*UHF12* $163.17 *UHF16* $214.93 *UHF18* $423.49 *UHF20* $425.47

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Tools & Trade Accessories

Part	Description	Price
	PCT0138 & PCT1234 Mini Crimp Tool - That gets the job done. By tightening the 2 bolts. This tool is excellent to be accompanied by the larger crimp tool for those hard to reach areas. See Page 17 for quantity discounts. ***PCT0138*** *Crimp 1" & 3/8" rings* ***PCT1234*** *Crimp 1/2" & 3/4" rings*	$29.99
	PKK01 Kwik Cut - Model T100. Cuts up to 1" polyethylene pipe rubber hose, Pex or PVC. Replaceable blade, clean cut every time. Every tool box should have this tool!	$15.92
	TLkit0138 or TLkit1234 Tool Kit - This kit includes two tools which make your job easy at a cost you can afford. Kwik Cut Pex or hose cutter and compact crimping tool. When ordering please identify (PCT0138) 1" & 3/8" or (PCT1234) 3/4" & 1/2"	$45.91
	PCTL01 PEX Crimp Hand Tool - Includes crimp tool, jaws for 3/8", 1/2", 3/4" and 1" size crimp rings and SharkBite® barb fittings. And a go-no-go gauge, adjustment tools and case. (23100) See Page 17 for quantity discounts.	$249.99
	PCTL34 PEX Crimp Tool - This Pex crimp hand tool allows for a complete full-circle crimp with longer handles to provide more leverage, requiring less force to complete a crimp connection. This tool makes use of copper crimp rings. See Page 17 for quantity discounts.	$79.99
	PCT02 & PCT03 Pex Clamp Tool - Pex clamp tools are designed to mechanically crimp 3/8" to 1" stainless steel clamps as required for Pex installations. The three handle version is easier to use with smaller hands and ratchets down. These tools only work with stainless steel clamps. *(PCT02 is the two handle version)*	PCT02 $79.99 PCT03 $199.99
	SCR12, SCR34 & SCR01 Stainless Steel Clamp Rings - All size clamp rings use only one tool (PCT02 or PCT03) to save on cost of multiple tools. (SCR12 = 1/2", SCR34 = 3/4" and SCR01 = 1") Take 10% off for bags of 100	SCR12 $.26 SCR34 $.36 SCR01 $.48
	SBCKit The Cash Acme SharkBite® Kit- SharkBite® push-fit fittings are the fastest, easiest way to join copper, CTS, CPVC and PEX pipe in any combination. With no soldering, clamps, unions or glue. Certified to 200 psi and 200°F (93°C). (Kit *includes 2 each: SBC1212, SBC3434, SBC3412, SBF12, SBF34, SBM12, SBM34, SB912 and SB934. Includes 1 each: SBT12, SBT34, SBS12, SBS34, SBDC12, SBDC01, SBDC34, and SBDT34)*	Reg. ~~$229.99~~ $199.99 **Sale**

Tempering Valves & Mixing Valves

Part	Description	Price
	MVH34S & MVH01S Cash Acme HeatGuard® 110-HX Mixing Valve Increased outlet temperature range extending to 176° F (80° C), making it ideal for applications in heating systems. It can be used in any application that requires the delivery of controlled or reduced temperature hot water. Excellent for small radiant applications due to a higher GPM. *Not recommended for domestic water use due to higher temperature range.*	MVH34S 3/4" Swt $99.63 MVH01S 1" Swt $119.44
	MV34S & MV01S Cash Acme HeatGuard® 110-D Mixing Valve Sweat intended for installation at the water heater to distribute controlled temperature water through a domestic hot water system. The valve delivers water at a maximum of 120° F (49° C), allowing the heater to be set at 140° F (60°C) or higher, thus providing a greater effective volume of hot water and reducing the chances of Legionellae bacteria growth in the water.	MV34S 3/4" Swt $85.65 MV01S 1" Swt $89.93
	MV34SB Cash Acme HeatGuard® 110-D Mixing Valve *(SharkBite® Ends)* SharkBite® ends for installation at the water heater to distribute controlled temperature water through a domestic hot water system. The valve delivers water at a maximum of 120° F (49° C), allowing the heater to be set at 140° F (60° C) or higher, thus providing a greater effective volume of hot water and reducing the chances of Legionellae bacteria growth in the water.	3/4" SB $79.99 *No sweat or threading*
	MV11501 Cash Acme HeatGuard® 115-H Mixing Valve The Heatguard® 115-H has an outlet temperature range extending to 140° F (60° C) and a flow rate of 30 GPM at 45 PSI, making it ideal for application in large heating systems. It also has applications in any installations requiring the delivery of reduced temperature hot water. Used for radiant floor applications.	1" NPT $199.99

Plate Heat Exchangers

316L Stainless Steel

High Quality & Designed for Maximum Performance, the plate heat exchanger's compact, rugged assembly is composed of 316L stainless steel plate packs sealed together by means of brazing copper along the border of the units. This eliminates the need for traditional gaskets or external pressure retaining parts.

These exchangers were designed specifically for wood boilers applications and are built with thicker gauge stainless steel and the plates further apart to prevent debris clotting for a much longer life. They are 40% heavier than most plates out there. Don't be fooled by price! That is exactly what our competition wants!

The plate packs are embossed with special corrugation patterns to promote high turbulence flow, which dramatically increases the heat transfer rates of the units thus making them a highly economical and effective solution for many process and heating applications.

Simplify your installation. A variety of Install kits available with diagrams for guidance. — *Refer to Page 8*

Best Seller

Handles up to 435 PSIG!
Pressed & Brazed Quality

Model	Dimensions Inches (mm)					
	A	B	C	D	F *(NP=Number of Plates)*	Threaded (in)
PE 5x12	12.0" (306)	5.0" (126)	9.8" (250)	2.8" (70)	0.49 + 0.09NP	1" MNPT
PE 3x8	7.8" (196)	3.4" (86)	6.2" (156)	1.8" (46)	2.24 x NP + 7 = mm	3/4" MNPT

Model	Plate Area m2 (sqft)	Channel Volume L/(USG)	Maximum Flow L/min (GPM)	Maximum Number of Plates	Weight (empty) kg (lb)
PE 5x12	0.032 (0.34)	0.054 (0.014)	189 (50)	100	2.2 + 0.16NP (4.8 + 0.35NP)
PE 3x8	0.013 (0.14)	0.022 (0.006)	45 (12)	50	0.7 + 0.06 x NP = kg (0.7 + 0.06 x NP x 2.2)

Description & size reference are based on a well insulated home at 10 GPM; 180° F temperature water; average climate temperature of 39.1° F / 3.9° C. To Give BTU ratings we need 5 variables of information (Fluid temps In & Out on all 4 ports, GPM or flow rate of both loops and types of fluid and concentrations)

We're Growing!!
Which gives us stronger buying power...
Which gives us better discounts...
Which we can pass on to you!!

Lower Prices

1" Ports

Model & Part #	Description & Size Reference		Price	3 or more
PE 5x12 -10	10 Plate Exchanger	20,000 BTU - Domestic Hot Water	**$99.99**	**$92.99 ea.**
PE 5x12 -20	20 Plate Exchanger	40,000 BTU - Large Domestic Hot Water	**$133.99**	**$123.99 ea.**
PE 5x12 -30	30 Plate Exchanger	60,000 BTU - 2,000 to 2,500 Sq. Ft.	**$173.99**	**$163.99 ea.**
PE 5x12 -40	40 Plate Exchanger	75,000 BTU - 2,500 to 3,000 Sq. Ft.	**$219.99**	**$207.99 ea.**
PE 5x12 -50	50 Plate Exchanger	100,000 BTU - 3,000 to 3,500 Sq. Ft	**$255.99**	**$239.99 ea.**
PE 5x12 -60	60 Plate Exchanger	150,000 BTU - 3,500 to 4,000 Sq. Ft.	**$295.99**	**$275.99 ea.**
PE 5x12 -70	70 Plate Exchanger	175,000 BTU - 4,000 to 4,500 Sq. Ft	**$329.99**	**$307.99 ea.**
PE 5x12 -80	80 Plate Exchanger	200,000 BTU - 4,500 to 5,000 Sq. Ft.	**$367.99**	**$342.99 ea.**
PE 5x12 -90	90 Plate Exchanger	225,000 BTU - 5,000 to 5,500 Sq. Ft	**$417.99**	**$389.99 ea.**
PE 5x12 -100	100 Plate Exchanger	250,000 BTU - 5,500 to 6,000 Sq. Ft	**$455.99**	**$425.99 ea.**

New 3 x 8 Plate Exchangers!

3/4" Ports

Model & Part #	Description & Size Reference		Price	3 or more
PE 3x8 -20	20 Plate Exchanger	12,000 BTU - Beer Chiller, Diesel Warmer	**$75.99**	**$69.99 ea.**
PE 3x8 -30	30 Plate Exchanger	20,000 BTU - Domestic Hot Water	**$99.99**	**$93.99 ea.**
PE 3x8 -40	40 Plate Exchanger	25,000 BTU - Large Beer Chiller	**$113.99**	**$106.99 ea.**
PE 3x8 -50	50 Plate Exchanger	30,000 BTU - Large Domestic Hot Water	**$143.99**	**$133.99 ea.**

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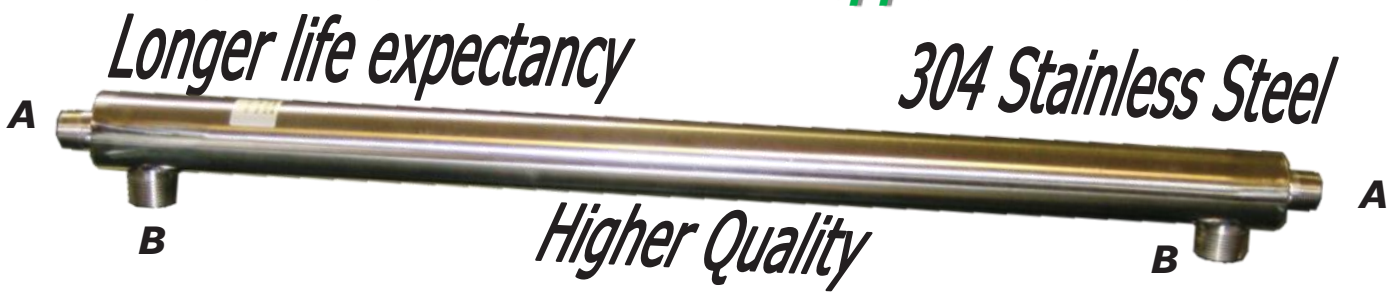
Fin–Enhanced Sidearm

50% More Efficient than Copper Sidearms!



High Quality Fin-Enhanced Sidearm Heat Exchangers are designed with the natural thermo-siphon concept on the domestic hot water side. Made of ***304 stainless steel,*** fin-enhanced sidearms increase heat transfer efficiency significantly by using a finned tube internally, which has a surface area five to eight times bigger than bare tube and produces greater turbulence on the system side.

Traditional sidearms are made of two bare copper tubes. Thus, its capacity is decided by the length of sidearm-tubes and the heat transfer efficiency is very low. With fin-enhanced sidearms you not only need a shorter unit, but get bigger capacity and faster heating.

Double walled fin-enhanced sidearms are available upon request. Due to concerns about cross contamination of potable water several US States enacted regulations to prevent this possibility from occurring. Double wall heat exchangers presented the most effective means of protection from cross contamination. We now provide a vented double walled sidearm which meets the criteria of these regulations.

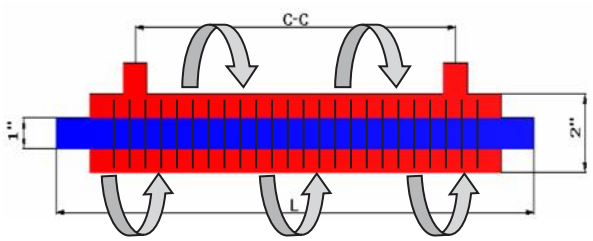
Due to the compact size and lightweight of the sidearm heat exchanger, these units are ideal for residential heating and plumbing applications. Also called domestic water heat exchangers, they are typically used to heat domestic water using either a conventional boiler, outdoor wood furnace or a solar hot water system. Typically, the domestic water is circulated by means of the thermo siphon principle which saves on the cost of a pump and the associated electrical costs. In cases where faster heat recovery is required. The domestic hot water should be circulated by means of a pump. Pump circulation will typically provide a heat recovery 3 to 4 times greater than thermo siphoning.

Single Wall Sidearms

Model No	BTU	Length	Boiler Port (B)	Domestic Port (A)	Construction	C-C Distance System Side
SA115	11500	38”	1” MNPT	3/4” MNPT	SS304	33.66”
SA95	9500	34”	1” MNPT	3/4” MNPT	SS304	28.34”

Sidearm Size	Part #	Price
Single Wall 38”	**SA115**	**$146.79**
Single Wall 34”	**SA95**	**$138.34**

Fin-Enhanced Sidearm



SAkit Sidearm Kit - For domestic hot water systems. Kit includes mixing valve *(MV34S or MV34SB),* sidearm and a diagram for easy installation.

Refer to Page 8 for more kit information.

SA34Kit	**$223.99**
SA38Kit	**$232.44**
SA34kitSB	**$234.19**
SA38kitSB	**$244.64**

Cupro-Nickel Heat Exchangers

Cupro-Nickel Innovation:

Cupro-Nickel heat exchangers are suitable for applications ranging up to 1 million btu/hr. These units are easy to maintain as both the end covers and tube stack can be removed easily for cleaning. CN Series pool heat exchangers are the only swimming pool units with this feature.

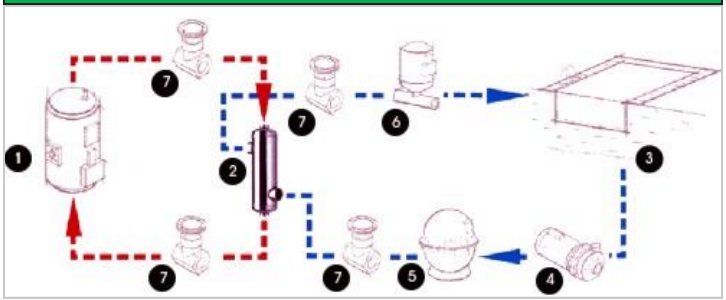
Part #	Inlet	Outlet	Price
CN200-CPVC	1" NPT	1 1/2" NPT	$849.99
CN400-CPVC	1 1/4" NPT	2" NPT	$1289.48
CN650	1 1/2" NPT	3" NPT	$1761.58
CN1000	1 1/2" NPT	2" NPT	$2931.18

Free Shipping

Features and Advantages:

- Removable Cupro-Nickel tube bundle heat transfer surface
- Shell made of cast iron
- Tube side operating pressure 87 PSIG
- Shell side operating pressure to 87 PSIG
- Operating temperature up to 212° F
- *Perfect solution for salt water swimming pools*
- Manufactured with cupro-nickel tubes to ensure corrosion resistance to salt water and longer equipment life
- Nominal heating capacities up to 1,000,000 btu/hr. for pool applications
- Eliminates the need for external bypass as the whole pool flow goes through the heat exchanger
- Due to the high flow rates through the heat exchangers, they are inherently self-cleaning

Typical Pool Heater Installation



Applications:

- Pools, spas and hot tubs
- Solar heated pools
- Domestic hot water
- Sea water applications
- Waste water heat recovery

Used for Salt Water

Pool & Spa Kits available to make for an easy installation. Diagrams included to guide you. —*Refer to Page 8*

Salt Water Swimming Pool Heaters

Due to the increasing popularity of salt water pools we have developed the CN Series heat exchanger which can withstand the corrosive effects of salt water. The CN Series heat exchangers are constructed of corrosion resistant cupro-nickel tubes and bronze end covers and are therefore suitable for salt water pools and spas.

Extremely Low Pressure Drops!

Finally... one you can clean!

Nominal Capacity			Boiler Water		Pool Water		
Part #	kW	Btu/hr	Flow	Pressure Drop	Pool Capacity (US Gal)	Flow	Pressure Drop
CN200-PVC	58.4	200,000	9	1.94	Up to 19,000	30	1.00
CN400-PVC	117	400,000	20	1.14	Up to 30,000	78	2.25
CN650	190	650,000	25	0.75	Up to 50,000	100	2.13
CN1000	292	1,000,000	38	1.00	Up to 100,000	154	2.00

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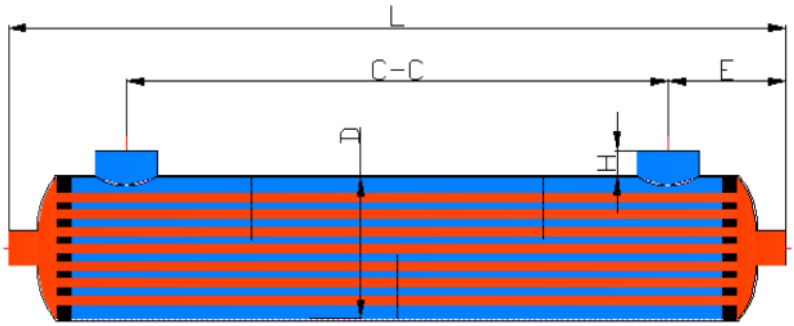
Tube & Shell Heat Exchangers

Tube & Shell Heat Exchangers are suited for higher-pressure applications. As its name implies, this type of heat exchanger consists of a shell (a large pressure vessel) with a bundle of tubes inside it. One fluid runs through the tubes, and another fluid flows around the tubes (through the shell) to transfer heat between the two fluids. Ideal for many residential and industrial applications. The complete stainless steel welded structure ensures product strength and high quality performance.



Applications:

- **Pools & Spas**
- **Hot Tubs**
- **Beer Brewing Coolers**
- **Transmission and Engine Coolers**
- **Oil Coolers**
- **Boiler Sample Cooler**
- **Waste Water Heat Recovery**

Part #	BTU/hr.	L (Inch)	D (Inch)	C-C (Inch)	F (Inch)	H (Inch)	Tube side (in)	Shell side (in)
SS100	100,000	16.9	3.5	8.7	4.1	0.71	3/4	1.5
SS170	170,000	18.7	3.5	10.7	4.0	0.71	1.0	1.5
SS260	260,000	25.8	3.5	17.7	4.0	0.71	1.0	1.5
SS370	370,000	29.7	3.5	21.7	4.0	0.71	1.0	1.5
SS640	650,000	38.0	4.3	29.2	4.4	0.75	1.5	2.0
SS1200	1,200,000	52.0	4.3	43.2	4.4	0.75	2.0	2.0

Rating	Design Pressure	Design Temperature	Material
Shell Side	150 psi	230° F	SS316L
Tube Side	150 psi	250° F	SS316L

Don't be Fooled by Price!
50% Heavier and 50% Thicker Gauge then the Competitions!

Part #	Pool Capacity (US Gal)	Price
SS100	Up to 6,000	**$355.48**
SS170	Up to 12,000	**$377.88**
SS260	Up to 18,000	**$493.78**
SS370	Up to 28,000	**$640.52**
SS640	Up to 36,000	**$931.58**
SS1200	Up to 46,000	**$1238.58**

Free Shipping

Best Seller

316 L Stainless Steel
The Finest Quality in the Industry

Extremely Low Pressure Drops!

Pool & Spa Kits available to make for an easy installation. Diagrams included to guide you. (PSkit) *—Refer to Page 8*

Phone **888-881-1602**
Fax **203-881-1649**
Online **www.AltHeatSupply.com**

THREE WAYS TO ORDER

Water to Air Heat Exchangers

Original Copper

Our Ports work with Sharkbite® Fittings

Highest Quality in the Business!

Features:

- Aluminum fins are 12 per inch, with a 22 gauge galvanized steel frame
- 3/8" seamless tubing, 3 core construction for better heat exchange
- High flow of 12 GPM, 175 psi and can handle up to 350°F
- ***Highest Quality in the business!***

Copper Features:

New Lower Prices

- L-Grade copper
- Price increasing rapidly
- 99.9% pure copper
- Hi-Temp solder used
- Ports long enough to use Sharkbite® fittings
- Install Kits available

Prices & Sizes:

We're Growing!!

Which gives us stronger buying power... Which gives us better discounts... Which we can pass on to you!!

Part #	Max BTU	Dimensions	Port Size	Price	3 or more
HTL 12x12	60,000	12 x 12 in inches	1"	**$92.99**	**$87.99 ea.**
HTL 12x18	90,000	12 x 18 in inches	3/4"	**$124.99**	**$115.99 ea.**
HTL 12x24	120,000	12 x 24 in inches	1"	**$159.99**	**$150.99 ea.**
HTL 16x16	80,000	16 x 16 in inches	1"	**$158.99**	**$139.99 ea.**
HTL 16x18	100,000	16 x 18 in inches	1"	**$174.99**	**$147.99 ea.**
HTL 18x18	120,000	18 x 18 in inches	1"	**$179.99**	**$160.99 ea.**
HTL 18x20	140,000	18 x 20 in inches	1"	**$185.99**	**$172.99 ea.**
HTL 19x20	150,000	19 x 20 in inches	1"	**$194.99**	**$181.99 ea.**
HTL 20x20	160,000	20 x 20 in inches	1"	**$212.99**	**$198.99 ea.**
HTL 22x22	200,000	22 x 22 in inches	1"	**$260.99**	**$242.99 ea.**
HTL 22x25	220,000	22 x 25 in inches	1"	**$271.99**	**$252.99 ea.**
HTL 22x30	265,000	22 x 30 in inches	1"	**$336.99**	**$315.99 ea.**
HTL 24x24	240,000	24 x 24 in inches	1"	**$287.99**	**$267.99 ea.**

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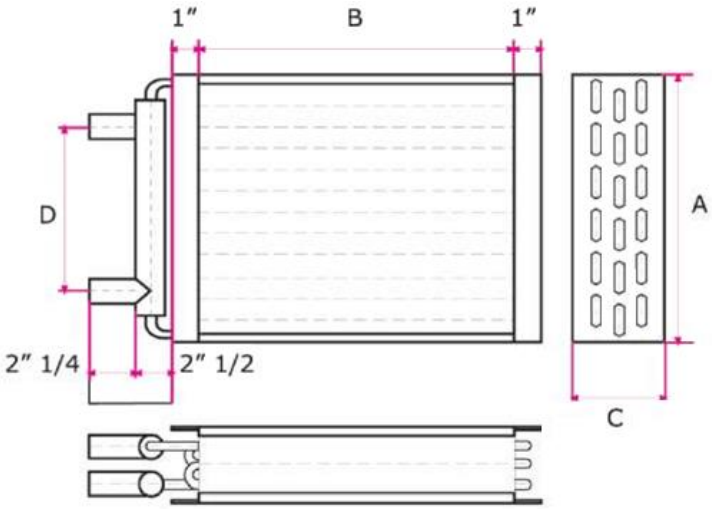
Water to Air Heat Exchangers Specifications

Don't be Fooled by Price!

Buyers Beware!

We Have the Highest Quality Heat Exchangers at the Best Prices!
There are companies selling similar kinds of heat exchangers at prices lower than ours. We have purchased them to compare them to our quality and there are way too many differences to mention here!

Our Heat Exchangers are High Quality and Built to Last! They are a great fit for a variety of heating and cooling applications. These compact units are designed to maximize heat transfer by utilizing a series of 3/8" copper tubes with high density aluminum fins. The fins are spaced so that the fin density is 12 fins per inch. This design enables heating loads of 50,000 - 60,000 BTU per square foot (please see performance chart below). Despite such high fin density, there is minimal flow resistance through these coils**.** *These work great as solar dumps as well!* We also have people using them for cooling and heating in very unique ways. If you're one of those people that like to design new things, all we can provide you with are the specifications below, we have no other information.
Good luck with your projects.



See pg. 3 FAQ's for Installation and Sizing Help

EAT	Entering Air Temperature 65° F
EWT	Entering Water Temperature 180° F
LAT	Leaving Air Temperature
APD	Air Pressure Drop: water column
CFM	Cubic Feet per Minute
WPD	Water Pressure Drop: ft for water (1 psi = 2.31 ft)
GPM	Gallons Per Minute
FPI	Fins Per Inch

Calculations based on:
3-Rows (2.598")/3/8" tubing/12 FPI (louvered fin),
1-1/8" OD connections solder

Model	*Based on boiler temperature 180°F												A	B	C	D
			CFM	600		800		1000					12	12	3.5	7 3/4
			APD	0.35	LAT	0.58	LAT	0.85	LAT			WPD				
12x12	GPM	5	BTU	44542	133	51846	124	57659	118			1.01				
		10		47978	138	56895	130	64294	124			3.64				
		12		48607	139	57836	131	65550	125			5.11				
			CFM	600		800		1000		1200			12	18	3.5	7 3/4
			APD	0.18	LAT	0.29	LAT	0.42	LAT	0.58	LAT	WPD				
12x18	GPM	5	BTU	51261	143	60663	134	68257	127	75713	123	1.18				
		10		54623	148	65897	140	75406	134	83607	129	4.21				
		12		55219	149	66843	141	76718	135	85292	130	5.91				
			CFM	1200		1400		1600		1800			12	24	3.5	7 3/4
			APD	0.29	LAT	0.37	LAT	0.47	LAT	0.58	LAT	WPD				
12x24	GPM	5	BTU	85400	130	92166	125	98057	121	103251	118	0.61				
		10		94795	137	103538	133	111322	129	118316	125	2.15				
		12		96785	139	106019	134	114295	130	121779	127	3.01				
			CFM	600		800		1000		1200			16	16	3.5	11 1/2
			APD	0.14	LAT	0.22	LAT	0.31	LAT	0.43	LAT	WPD				
16x16	GPM	5	BTU	53087	146	63004	137	70996	130	78960	125	0.69				
		10		56720	151	68750	144	78917	137	87691	132	2.47				
		12		57361	152	69787	145	80375	138	89579	133	3.47				

Water to Air Heat Exchangers (Continued)

Model															A	B	C	D
			CFM	800		1000		1200		1400					16	18	3.5	11 1/2
			APD	0.18	LAT	0.26	LAT	0.35	LAT	0.46	LAT	WPD						
16x18	GPM	5	BTU	65563	140	74152	133	82598	128	89045	123	0.72						
		10		71288	147	82154	140	91567	135	99843	130	2.59						
		12		72310	148	83611	141	93472	136	102203	132	3.63						
			CFM	1200		1400		1600		1800					18	18	3.5	13
			APD	0.29	LAT	0.37	LAT	0.47	LAT	0.58	LAT	WPD						
18x18	GPM	5	BTU	85400	130	92166	125	98057	121	103251	118	0.61						
		10		94795	137	103538	133	111322	129	118316	125	2.15						
		12		96785	139	106019	134	114295	130	121779	127	3.01						
			CFM	1400		1600		2000		2200					18	20	3.5	13
			APD	0.31	LAT	0.39	LAT	0.58	LAT	0.68	LAT	WPD						
18x20	GPM	5	BTU	95850	128	102113	123	112549	116	116965	114	0.63						
		10		107540	135	115842	131	130087	124	136267	122	2.26						
		12		110046	137	118864	133	134138	126	140825	123	3.14						
			CFM	1400		1800		2100		2450					19	20	3.5	14 1/2
			APD	0.28	LAT	0.44	LAT	0.57	LAT	0.75	LAT	WPD						
19x20	GPM	5	BTU	96849	128	108760	120	116007	116	123147	111	0.47						
		10		108886	136	124925	128	135015	124	147368	120	1.66						
		12		111481	138	128599	130	139491	126	150589	121	2.32						
			CFM	1600		1800		2100		2400		2700			20	20	3.5	14 1/2
			APD	0.33	LAT	0.39	LAT	0.52	LAT	0.66	LAT	0.79	LAT	WPD				
20x20	GPM	5	BTU	105169	125	110911	121	118368	116	124739	112	130264	109	0.54				
		10		119538	133	127376	130	137797	125	148984	122	157540	118	1.91				
		12		122692	135	131083	132	142328	127	152253	123	161101	120	2.65				
			CFM	1800		2100		2400		2700		3100			22	22	3.5	17 1/2
			APD	0.29	LAT	0.37	LAT	0.47	LAT	0.58	LAT	0.74	LAT	WPD				
22x22	GPM	5	BTU	117875	125	125988	120	132898	116	138871	112	145700	108	0.48				
		10		135603	134	147128	129	159349	125	168801	122	179987	118	1.71				
		12		139512	136	151958	131	162962	127	172785	123	188023	120	2.38				
			CFM	1800		2000		2400		2800		3200			22	30	3.5	17 1/2
			APD	0.22	LAT	0.26	LAT	0.35	LAT	0.46	LAT	0.59	LAT	WPD				
22X30	GPM	5	BTU	142355	137	149214	134	160852	127	170595	118	173368	117	0.44				
		10		163968	139	173806	137	193529	133	209022	129	222563	126	1.54				
		12		168634	141	179245	138	198038	136	216801	131	231645	132	2.16				
			CFM	1800		2000		2400		2800		3250			22	25	3.5	17 1/2
			APD	0.23	LAT	0.28	LAT	0.38	LAT	0.49	LAT	0.64	LAT	WPD				
22x25	GPM	5	BTU	123219	127	129155	124	139245	118	147524	113	155254	109	0.51				
		10		141681	137	150152	134	167069	129	180406	124	193428	119	1.79				
		12		145649	139	154773	136	170939	130	187007	126	201264	122	2.52				
			CFM	1800		2000		2400		2800		3200						
			APD	0.22	LAT	0.26	LAT	0.35	LAT	0.46	LAT	0.59	LAT	WPD	24	24	3.5	18 1/2
24x24	GPM	5	BTU	124219	128	130204	124	140360	118	148681	114	155644	110	0.44				
		10		143078	138	151663	134	168874	129	182393	124	194208	120	1.54				
		12		147150	140	156409	136	172808	131	189181	127	202134	123	2.16				

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Class A Chimneys & Accessories

SECURITY CHIMNEYS

Part#	Security Chimney Extensions	Price
CX648	Security Chimney 6” X 48”	$159.99 **
CX848	Security Chimney 8” X 48”	$239.99 **
CX124	Security Chimney 10” x 24”	$221.99 **
CX148	Security Chimney 10” x 48”	$345.99 **
	Chimney Caps	
CX601	Security Chimney 6” Deluxe Cap	$55.99
CX801	Security Chimney 8” Deluxe Cap	$70.99
CX101	Security Chimney 10” Deluxe Cap	$121.99

10” MUST BE SPECIAL ORDERED

SUPERPRO

Part#	SuperPro Chimney Extensions	Price
CXSP624	SuperPro Chimney 6” x 24”	$83.99 **
CXSP648	SuperPro Chimney 6” x 48”	$159.99 **
CXSP824	SuperPro Chimney 8” x 24”	$134.99 **
CXSP848	SuperPro Chimney 8” x 48”	$239.99 **
	Chimney Caps	
CXSP602	SuperPro Chimney 6” Deluxe Cap	$53.99
CXSP802	SuperPro Chimney 8” Deluxe Cap	$67.99

Part#	Guy Wire Bands	Price
GW601	Guy Wire Band 6” (works with both chimneys)	$25.99
GW801	Guy Wire Band 8” (works with both chimneys)	$30.99

***** Due to the delicate nature of the chimneys:***

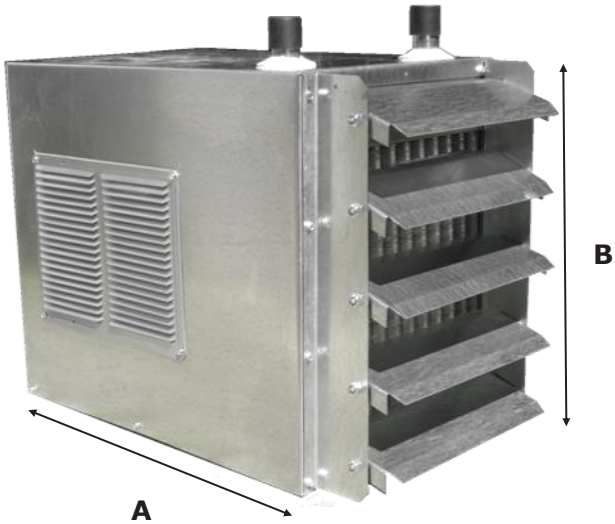
Free Shipping Does Not Apply

There is a $25.00 per chimney surcharge, plus shipping.

If ordering 4 or more, please call us for a Freight Quote.

New Dragon Breath Mini Space Heaters

Dragon Breath Mini Space Heaters Instead of installing a new complete heating system, simply mount a Dragon Breath Mini Air Handler just about anywhere. They are used to heat bonus rooms, small houses with electric heat, basements, garages, workshops, greenhouses, warehouses and anything you can think of. This is a hot air furnace that is small and powerful enough to heat homes that need up to 70,000 BTU's without the price and installation cost of a full size hot air furnace. The units come with a blower and water to air heat exchanger. These are commercial grade units and the blowers are very quiet with high air volumes. Heaters come assembled and ready to work.



Example of Mini Dragon Breath Heater installed in closet.

The options are endless.

Behind Wall

Finished Room

Unit is Showing Optional Louvers ***DBlouver $79.99***

Can be installed anywhere!

Dragon Breath Mini Space Heaters Specifications

Free Shipping

Part #	*Depth (A)*	*Height (B)*	*Width (C)*	*Plenum opening*	*H= Anchor width*	*Water Lines =ID*	*Shipping weight=Lbs*	*Price*
DBAH70	19.5″	16″	12.5	12″ x 12″	NA	1″	60	**$599.00**

Part #	*BTU / HR EWT-200°*	*BTU EWT-180°*	*CFM-Amps*	*GPM*	*APD*	*Speed Controllable*	*Approximate FOH-WPD*	*Approximate WTD at 180°*	*HP*
DBAH70	68765	65550	1001-0.5	12	.85	Yes	2.72	200°	1/6

Part #	*Voltage*	*Hz*	*Full Amps*	*Phase*	*RPM*	*Mountable*
DBAH70	115	60	3.7	1	1011	Multi-position

Easy Installation

In a crawl space, closet or bonus room, house with electric heat, finished basement, a cold part of the house to make comfortable again, double wide trailers, work areas that need to be quiet and discrete, and much more! They can be installed under a motor home, in a basement and you can branch off duct work as many times as you please. All duct work parts can be found at any home improvement store. You can see in the pictures to the right how easily they can be installed; the only thing holding you back is your imagination.

Made in the USA!

For Only $599.00

Free Shipping on MOST Orders of *$250.00 or more*
(Alaska, Hawaii and Canada not included)

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FOR SAME DAY SHIPPING

High Quality at the Best Price!

DRAGON BREATH HEATER

Dragon Breath Space Heaters mount just about anywhere. They are used to heat basements, garages, workshops, greenhouses, warehouses and anything you can think of. These units come with a high quality fan, water to air exchanger and adjustable louvered grills. ***The fans are speed controllable*** (SC36) and are commercial grade units. Stamped fan blades quietly exhaust high air volumes. All parts used are high quality. Units come assembled!

New Options

TH002
In Line Thermostat
Page 22

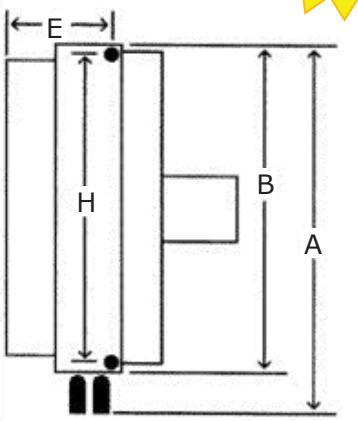
HCkitsb
Hydro Coil Kit
for an easy installation
Page 8

Variable Speed Controller
SC36
Page 22

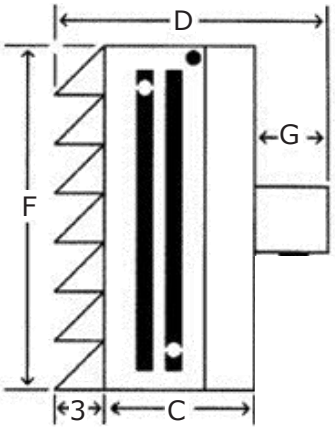
Made in the USA!

Best Seller

Top View



Side View



****DB150 and DB200 ARE NOT INCLUDED IN FREE SHIPPING***

Unit Heater Dimensions

All measurements are in inches

Variable Speed Unit Heaters!

Part #	A	B	C	D	E	F	G	H= Anchor width	Water Lines =ID	Shipping weight=Lbs	Price
DB70	22	16-1/2	7-1/4	17-1/2	7-1/2	16-3/8	3-1/2	NA	1"	42	**$472.99**
DB100	26	20-1/2	8	17-1/2	7-1/2	20-3/8	3	NA	1"	62	**$567.99**
DB150	28	22-1/2	8-1/4	18-1/2	7-1/2	22-3/8	5	NA	1"	75	**$799.99***
DB200	30	24-1/2	8-1/4	19	7-1/2	24-3/8	6-1/2	NA	1"	100	**$872.99***

Unit Heater Specifications

Internal specifications using water. Entering air temp=65°

Part #	BTU / HR EWT-200°	BTU EWT-180°	CFM-Amps	GPM	APD	Speed Control (sold separately)	Approximate FOH-WPD	Approximate WTD at 180°	HP
DB70	69,892	55,506	845-1.6	12	.11	SC801	2.75	170°	1/30
DB100	105,235	89,543	1107-1.6	14	.10	SC801	2.51	167°	1/20
DB150	161,163	137,567	2500-3.9	14	.20	SC901	2.41	159°	1/4
DB200	210,671	183,789	3440-3.0	15	.25	SC901	2.71	157°	1/4

Great for heating garages, greenhouses, workshops & basements

Phone **888-881-1602**
Fax **203-881-1649**
Online **www.AltHeatSupply.com**

THREE WAYS TO ORDER

Best Seller

Valu-Flex 5.5” Polyolefin Insulation

- 5.5" O.D. - Increased insulation protection
- Joint-free installation & end caps included
- 50% *more* insulation than 4" (competition)
- *High* flexibility
- 2 Line or 4 Line available
- Closed cell insulation
- Easy to install
- Density 1.5 lb
- ***Made in USA***

R-Value 8.5

Part #	Description (Non-Barrier A-Quality Pex)	Price
ValuFlex NB	2 - 1" non- barrier pex	$6.79 per ft. + freight
ValuFlex NB0134	2 - 1" & 2 - 3/4" non- barrier pex	$8.29 per ft. + freight
ValuFlex NB0101	4 - 1" non- barrier pex	$8.99 per ft. + freight

Part #	Description (Barrier A-Quality Pex)	Price
ValuFlex B	2 - 1" barrier pex	$7.49 per ft. + freight
ValuFlex B 0134	2 - 1" & 2 - 3/4" barrier pex	$9.49 per ft. + freight

Flexsul-Seal
Insulated pipe just got flexible.

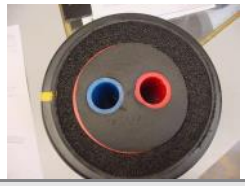
5.5” Heavy Duty Corrugated Pipe!

Flexsul-Seal Advantages

- *High* flexibility, lightweight - Easier handling
- 5.5" O.D. - Increased insulation protection
- 50% *more* insulation area than 4" (competition)
- Thermal dead air pocket resulting in ***R-Value 11***
- Elastomeric Insulation, closed cell
- Joint-free installation & end caps included
- Available in 3/4”, 1”, 1 1/4” & 1 1/2” pex
- **Made in USA**

Good Seller

R-Value 11



Part #	Description (Non-Barrier A-Quality Pex)	Price
Flex NB01-2	2 - 1” non-barrier pex	$10.99 per ft. + freight
Flex NB01-2, 34-2	2 – 1” non-barrier pex & 2 - 3/4” non-barrier pex	$14.25 per ft. + freight
Flex NB01-4	4 – 1” non-barrier pex	$14.29 per ft. + freight

Part #	Description (Barrier A-Quality Pex)	Price
Flex B01-2	2 - 1” barrier pex	$11.59 per ft. + freight
Flex B01-2,34-2	2 - 1” barrier pex & 2 - 3/4” barrier pex	$15.45 per ft. + freight

ALL INSULATED PIPE IS SOLD IN 5’ INCREMENTS

SPECIAL ORDERS UPON REQUEST

Why insulated pipe? It’s a great way to increase the efficiency of your outdoor furnace, while keeping the wood stove a good distance away from the house or any other building to be heated. This eliminates the wood mess sometimes associated with indoor wood burning units and the safety concerns associated with wood burning units are also removed. This makes this type of heat well received by insurance companies.

On a typical 80’ - 100' run between furnace & house the water temperature can be within 3° of furnace temp as it enters the heat exchanger at the house. This translates into less wood to be burned and less time spent loading the furnace. An already efficient heat source is made even more economical. Heat loss between the furnace and the heat exchangers at the areas to be heated has been virtually eliminated.

Insulated Pipe is shipped FREIGHT ONLY!!
CALL US FOR A QUOTE TODAY

ORDER BY 3PM EST MONDAY THRU FRIDAY FOR SAME DAY SHIPPING

We receive a lot of phone calls asking why "some pex is less expensive" and "what is Class A pex?" We can't give that much information even if we had several pages to work with. Bottom line is... you get what you pay for! And with the high temperatures we are working with this is not the place to try to save a couple dollars.

SharkBite Pex is excellent and will last a lifetime!

SharkBite® Pex tubing is a cross-linked polyethylene tubing for a wide range of residential and commercial plumbing applications. SharkBite® Pex tubing manufactured *without* an oxygen barrier is used for potable water systems. SharkBite® Pex tubing manufactured *with* an oxygen barrier is used for radiant flooring and hydronic heating applications. It is manufactured with an oxygen diffusion barrier applied to the exterior. It limits oxygen permeation through the tubing wall in hydronic heating applications and prevents corrosion of ferrous metal parts in the heating system.

SharkBite® (Non-Barrier)

Size	Rolls of Pex Line	Part #	Price	Price (4 or more)
Hot Seller 1″	Pex Roll of 100 ft. (Red or Blue) Pex Roll of 300 ft. (Red or Blue)* Pex Roll of 500 ft. (Red or Blue)*	P01100 P01300 P01500	$77.99 $233.99 $389.99	$73.99 ea. $221.99 ea. $369.99 ea.
3/4″	Pex Roll of 100 ft. (Red or Blue) Pex Roll of 300 ft. (Red or Blue) Pex Roll of 500 ft. (Red or Blue)	P34100 P34300 P34500	$44.99 $134.99 $224.99	$43.86 ea. $131.56 ea. $219.27 ea.
1/2″	Pex Roll of 100 ft. (Red or Blue) Pex Roll of 300 ft. (Red or Blue) Pex Roll of 500 ft. (Red or Blue)	P12100 P12300 P12500	$26.99 $80.99 $134.99	$25.99 ea. $77.99 ea. $129.99 ea.

SharkBite® (Barrier)

Size	Rolls of Pex Line	Part #	Price	Price (4 or more)
1″	Pex Roll of 100 ft. Pex Roll of 300 ft. * Pex Roll of 500 ft. *	PB01100 PB01300 PB01500	$131.99 $395.99 $659.99	$127.99 ea. $383.99 ea. $639.99 ea.
3/4″	Pex Roll of 100 ft. Pex Roll of 300 ft. Pex Roll of 500 ft.	PB34100 PB34300 PB34500	$73.99 $221.99 $369.99	$69.99 ea. $199.99 ea. $349.99 ea.
For Radiant 1/2″	Pex Roll of 100 ft. Pex Roll of 300 ft. Pex Roll of 500 ft.	PB12100 PB12300 PB12500	$40.99 $122.99 $203.99	$38.99 ea. $118.99 ea. $197.99 ea.

**** Note:***
Shipping and handling costs are based on dimensional size of product and weight. Pex pipe in large quantities ***does not qualify for free shipping.*** Please call us for shipping costs. Call for possible discounts. (2,500 feet or more)

Pex crimp fittings and SharkBite® fittings work great with this pex pipe.

Thank You!

**** Oversized - additional shipping charges apply***

Tubing printed with SharkBite® imprint pattern:

- Allows for easy assembly with SharkBite® Push Fittings™ without the use of elaborate and costly tools.
- Strong, flexible, resilient tubing that provides superior temperature performance.
- System provides a wide selection of fittings and tubing to ensure a trouble-free rough-in.
- Listed to NSF 14 and CSA B137.5 for use in potable water systems.
- Inspector friendly, peace of mind!
- Manufactured and tested to meet or exceed the requirements of the
- ASTM F-876, ASTM F-877, ASTM F 2023 and CSA B137.5.
- Specify and install with confidence!
- Variety of connections options, can be connected with SharkBite® Push-Fittings,™ or Cash Acme barbed fittings.
- Flexible installation options.

Battery Backup

Made in the USA!

SEC America, LLC

SF 512 | **SF 503B** | **SF 707** | **SF 709** | **SF 952** | **822 PS** | **1622 PS**

SPECIFICATIONS	STOVE SENTRY MODELS		SUREFIRE SINE WAVE SENTRY MODELS		WELL PUMP SENTRY	SUMP PUMP MODELS	
	SF 512	**SF 503B**	**SF 707**	**SF 709**	**SF 952**	**822 PS**	**1622 PS**
Normal Mode Operation (Supplying Line Power) Input Voltage Range	100-128 VAC	100-128 VAC	100-128 VAC	100-128 VAC	240 VAC	100-128 VAC	100-128 VAC
Input Current	5.5A	7A	6A	9A	10A	11A	16A
Charging Current (max.)	12A	12A	12A	12A	15A	15A	22A
Recharge Time (max.)	13 Hours	13 Hours	13 Hours	13 Hours	20 Hours	13 Hours	13 Hours
Switchover Time	1/3 Sec	1/3 Sec	1/3 Sec	1/3 Sec	1/3 Sec	1/3 Sec	1/3 Sec
Back Up Mode Operation (Supplying Battery Power) Maximum Back Up Power	550 Watts	750 Watts	600 Watts *Sine Wave Output*	1000 Watts	2500 Watts	1200 Watts	1600 Watts
Maximum Input Current	55A	70A	75A	100A	130A	120A	180A
Unit Dimensions (L x W x H) in.	12x7x3	17x7x3	13x10x10.5	13x10x10.5	20x10x3.75	17x6x3	21x6x3
Weight (lbs.)	10	15	18	22	25	15	22
Price	**$428.00**	**$495.00**	**$540.00**	**$680.00**	**$1290.00**	**$588.00**	**$772.00**
ALL UNITS COME WITH A 4' CABLE AND A 2 YEAR WARRANTY							

How it Works: When electricity is present, the Surefire & Pump Sentry will charge a battery and survey the power line. The instant a power failure occurs, the Surefire & Pump Sentry converts the energy stored in the battery to AC power. This assures operation of the wood furnace, pellet stove or sump pump without interruption during the absence of electricity.

When AC utility power is restored, the Surefire & Pump Sentry reinstates AC utility power as the prime energy source to operate the wood furnace, pellet stove or sump pump. Simultaneously and automatically the Surefire & Pump Sentry commences the recharging of the battery, to return it to full capacity in preparation for the next power failure.

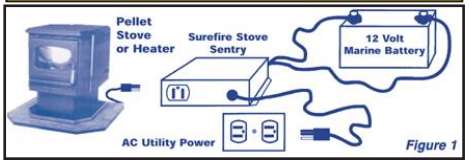
At sites where utility power is not present, the user should determine if there is a sufficient reserve of battery capacity to enable the wood furnace, pellet stove or sump pump to operate for the desired time period. Consult the Surefire & Pump Sentry operating manual for data relating to the size and number of batteries needed.

Need extra cables? (2')
Part # SFCable
$19.99

You will need to purchase - separately - a 12 volt, deep cycle marine battery up to 200 amps. This can be found at most automotive parts stores.

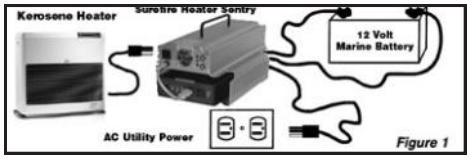
Stove Sentry

Utility Power -When Surefire sentry is used with a 90 A-HR Marine Battery, its highly efficient circuitry can provide up to 8 hours of operation in the absence of electricity.



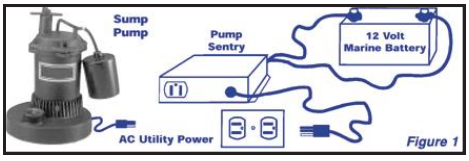
Heat Sentry

Stay Heated- At the instant of power failure, Surefire Heater Sentry begins to convert the energy stored in the battery to sine wave AC power—Sine Wave Output



Pump Sentry

Avoid Flooding- Get protection against power failure to basement pumps with a simple to implement Pump Sentry.



Free Shipping on MOST Orders of *$250.00 or more*
(Alaska, Hawaii and Canada not included)

ORDER BY 3PM EST MONDAY THRU FRIDAY
FOR SAME DAY SHIPPING